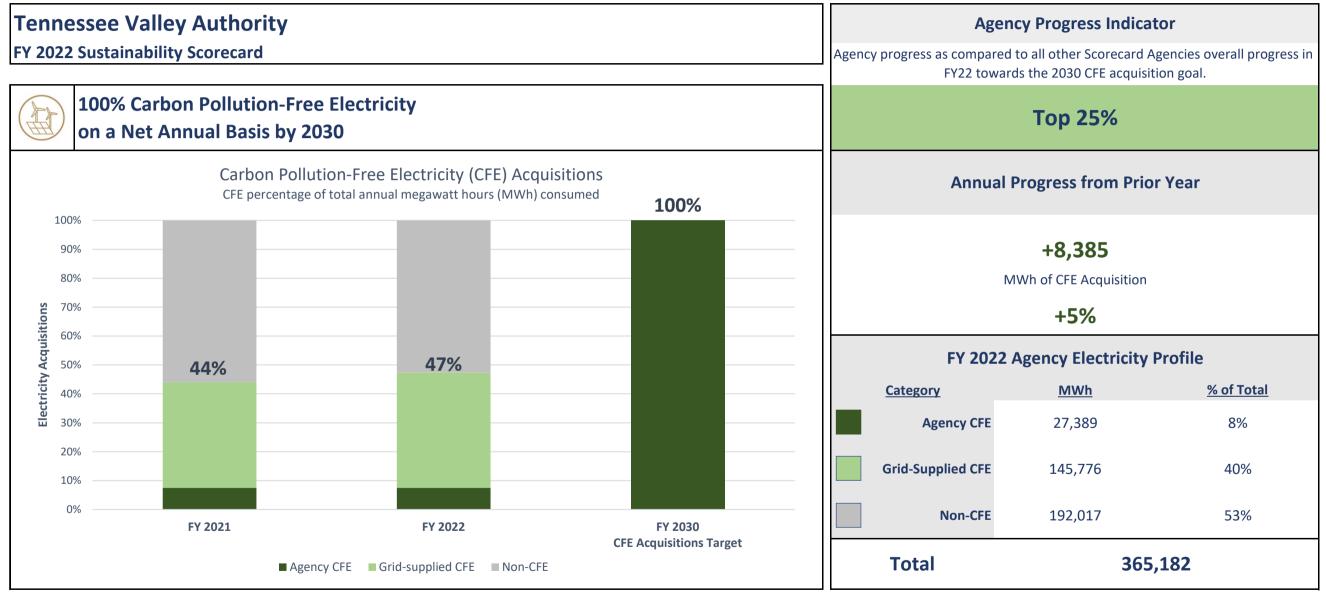
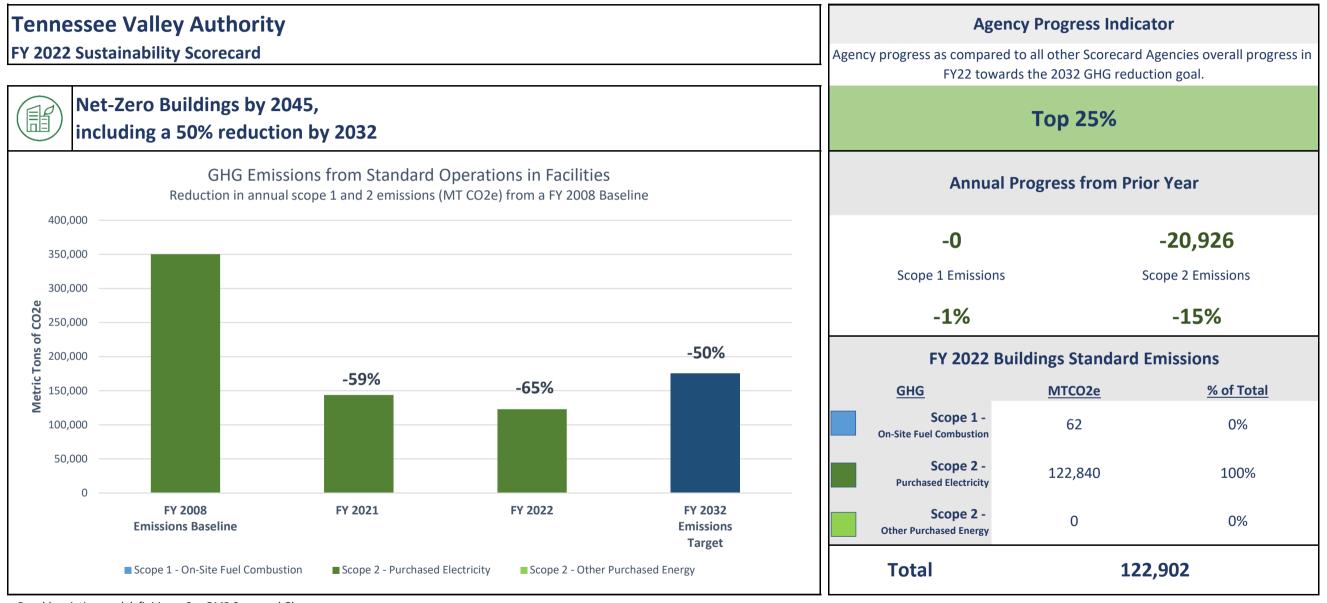
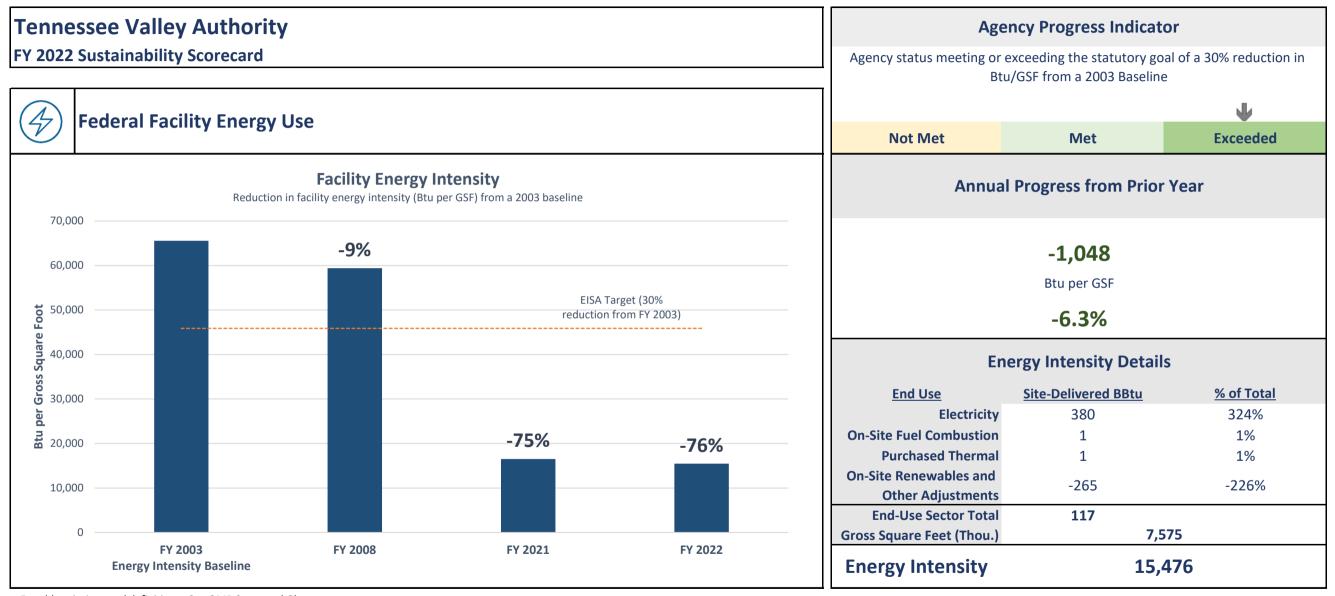
Tennessee Valley Authority			Agency Pr	Agency Progress Indicator				
FY 2022 Susta	ainability Scorecard			Agency progress as compared to all FY22 towards the	other Scorecard Agencies overall pro 2030 GHG reduction goal.	ogress in		
Net-Zero Emissions Operations by 2050, Including a 65% reduction by 2030			т	Top 25%				
		Emissions From Standard Operation Standard Operation (MT CO2e)		Annual Prog	ress from Prior Year			
400,000				+454	-20,926			
350,000				Scope 1 Emissions	Scope 2 Emissions			
300,000				+6%	-15%			
250,000 —				FY 2022 Standar	FY 2022 Standard Operations Emissions			
Suc 200,000				Scope and Category	MTCO2e % of Tota	:al		
Metric T 150,000	_	-58%	-64%	Scope 1 - Covered Fleets	6,407 5%			
2 100,000 —	_			Scope 1 - Other	1,412 1%			
50,000				Scope 1 - Facilities	62 0%			
	FY 2008	FY 2021	FY 2022	Scope 2 - Facilities	122,840 94%			
	Emissions Baseline Scope 1 - Facilities	Scope 1 - Covered Fleets Scope 1 - Ot		Total	130,721			



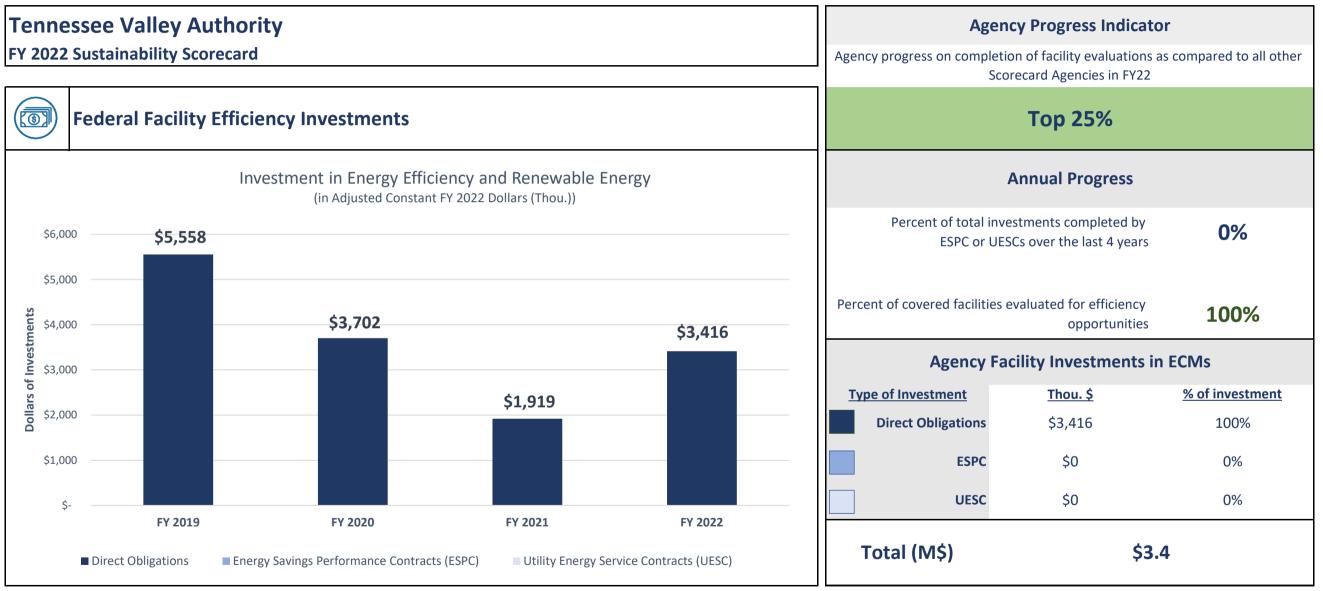
Tenness	see Valley Authority			Agenc	y Progress Indi	cator		
FY 2022 Su	ustainability Scorecard			Agency progress as compared to FY22 towards	o all other Scorecar the 2027 ZEV acqu			
	100% Zero-Emission Vehicle Acquisitions by 2035				Top 25%			
		nission Vehicles Acquisitions age of annual light-duty vehicle (LDV)		Annual Pi	rogress from P	rior Year		
100% —			100%	+73		+25		
90% -				LD-ZEV Acquisitions		Charging Ports		
90% - 80% -				+487%		+24%		
70% -				Covered Fleet Inventory				
Vechicle Acquisitions - %09 - %09 - %09		59%		Category	<u>FY 21</u>	<u>FY 22</u>		
Vcduisi				Light Duty ZEV	21	58		
cle A(Light Duty ICE	1,496	1,486		
echi (Total	1,517	1,544		
> _{30%} –				Charging Port Inventory				
20% —	11%			<u>Category</u>	<u>FY 21</u>	<u>FY 22</u>		
10% —	±±/0			AC Level 1	18	23		
				AC Level 2	88	108		
0% —	FY 2021	FY 2022	FY 2027	DC Fast Charging	0	0		
	LD-ZEV Acquisitions Baseline	LD-ZEV Acquisitions	LD-ZEV Acquisition Target	Total	106	131		





Tennessee Valley Authority FY 2022 Sustainability Scorecard Federal Facility Water Use ٩ **Facility Water Intensity Annual Progress from Prior Year** Reduction in facility water intensity (Gallons per GSF from a 2007 baseline) 30 -1 -4% **Potable Water Use per Gross Square Foot** 10 2 10 2 2 Gallons per GSF Change -7.3% -41% -45% Water Intensity Details FY22 Gallons (Million) 340 GSF (Thou.) 23,323 0 FY 2007 FY 2008 FY 2021 FY 2022 Water Intensity 14.6 Water Intensity Baseline

Tennessee Valley Authority FY 2022 Sustainability Scorecard High Performance Sustainable Federal Buildings Sustainable Federal Buildings **Annual Progress from Prior Year** Square Feet of qualifying Federal building space 1,712,479 +0 +0 1,712,479 1,712,479 1,712,479 Sustainable Federal Buildings Sq.ft of Sustainable Federal Buildings 1,712,479 +0% +0% **Gross Square Feet** 1,712,479 **Agency Sustainable Building Details** 1,712,479 1,712,479 **Number of Buildings** Sq.ft. of Buildings Assessed as 28 1,712,479 1,712,479 **Sustainable** All Applicable 1,712,479 78 5,757,291 **Buildings** 1,712,479 Portfolio FY 2020 FY 2021 FY 2022 36% 30% Square Feet of Sustainable Buildings **Sustainability**



OMB Scorecard Glossary			
	Abbreviations		Progress Indicators
Btu = British thermal units	EVSE = electric vehicle supply equipment	LDV = Light Duty Vehicle	Тор 25%
CFE = Carbon Pollution Free Electricity	(e.g. Charging Ports)	MTCO2e = Metric Tons of Carbon Dioxide	
ECM = efficiency/conservation measure	GHG = greenhouse gas	Equivalent	
ESPC = Energy Savings Performance	GSF = Gross square foot (or feet)	N/A = data not available	Upper Quartile or 75th percentile relative to other Scorecard Agencies
Contracts	ICE = Internal Combustion Engine	UESC = Utility Energy Service Contracts	opper quartie of 75th percentile relative to other Scorecard Agencies
	KWh = Kilowatt hours	ZEV = Zero Emissions Vehicles	

	Terminology				
ΤΟΡΙϹ	DATA SOURCE and TERMINOLOGY DEFINITIONS				
	Source: Agency greenhouse gas emission are calculated from the agency submitted Annual Energy Management Data Reports. Details and background data can be found on FEMP's Comprehensive Annual Energy Data and Sustainability Performance data site.				
	• Standard Operations: Any emissions from operations not designated, under section 602 of E.O. 14057, as exempted and reported as non-standard operations. Non-Standard Operations are vehicles, vessels, aircraft and other equipment used by Federal Government agencies in combat support, combat service support, tactical or relief operations, training for such operations, law enforcement, emergency response, or spaceflight (including associated ground-support equipment). Non-Standard operations also includes generation of electric power produced and sold commercially to other parties.				
NET-ZERO EMISSIONS	• Scope 1 (Covered Fleets): Emissions from standard operations from the agency's fleet of passenger fleet vehicles.				
OPERATIONS	• Scope 1 (Other): Emissions from fluorinated gases and other fugitive emissions, on-site wastewater treatment, on-site landfills and municipal solid waste facilities, manufacturing and industrial processes, and from non-passenger fleet vehicles, aircraft, ships, and mobility equipment reported as standard operations.				
	• Scope 1 (Facilities): Emission from standard operations of on-site fuel consumption at federal facilities, including natural gas, fuel oil, LPG/propane, coal and any other fossil fuel.				
	 Scope 2 (Facilities): Emissions from standard operations of any purchased electricity, purchased biomass energy, purchased steam and hot water, purchased chilled water, purchased energy from combined heat/power plants, and renewable energy purchases. 				
	See <u>E.O. 14057 Implementing Instructions</u> for Federal Agencies for more details on definitions. Source: Agency electric energy consumption is submitted to DOE-FEMP through Annual Energy Management Data Report. Details and background data can be found on FEMP's <u>Comprehensive Annual Energy Data and Sustainability Performance</u> data site.				
CARBON POLLUTION-FREE	• Agency CFE: Includes electricity generated at a Federal facility, electricity purchased from a qualifying CFE generation source with the associated energy attribute certificates (EACs) and Purchased or unbundled EAC.				
ELECTRICITY	 Grid-supplied CFE: CFE delivered as part of default electricity service or the electricity grid mix from a utility or electric service provider. Non-CFE: Electricity from non-carbon pollution free electricity sources. 				
	See <u>E.O. 14057 Implementing Instructions for Federal Agencies</u> for more details on definitions.				

Terminology and Progress Indicators			
ΤΟΡΙϹ	DATA SOURCE and TERMINOLOGY DEFINITIONS		
	Source: Agency fleet inventory and EVSE installation data was reported in the Federal Automotive Statistical Tool (FAST). Acquisition (vehicle order) data was provided by GSA.		
	• Light Duty: A vehicle weighing 8,500 pounds gross vehicle weight rating or less, certified for use on all public roads and highways. (Sec. VII of M-22-06)		
ZERO-EMISSION VEHICLE ACQUISITIONS	 Vehicle Acquisition: The placement of an order for a vehicle, recognizing fulfillment and timing of delivery is not within an agency's control. Vehicle Inventory: Vehicles in agency operation as of September 30 of the fiscal year as reported in FAST. Charging Port: Electric vehicle supply equipment connector in agency operation as of September 30 of the fiscal year as reported in FAST. A charging station may have multiple ports. 		
	See E.O. 14057 Implementing Instructions for Federal Agencies for more details on definitions.		
NET-ZERO	Source: Agency facility greenhouse gas emission are calculated from the agency submitted Annual Energy Management Data Reports. Details and background data can be found on FEMP's Comprehensive Annual Energy Data and Sustainability Performance data site.		
EMISSIONS BUILDINGS	• Scope 2 - Other Purchased Energy: Emissions from standard operations from any purchased biomass energy, purchased steam and hot water, purchased chilled water, purchased energy from combined heat/power plants, and renewable energy purchases.		
	See <u>E.O. 14057 Implementing Instructions for Federal Agencies</u> for more details on definitions.		
FACILITY ENERGY	Source: Agency facility energy use is submitted to DOE-FEMP through Annual Energy and Water Use Reports. Details and background data can be found on FEMP's <u>Comprehensive Annual</u> Energy Data and Sustainability Performance data site.		
EFFICIENCY	Purchased Thermal Energy: Include energy from purchased steam and hot water and purchased chilled water.		
	• Purchased Renewables and Adjustments: Includes renewable energy purchases but not on-site RE, subtracts source-energy-saving project credit, weather normalization credit, and project savings in Excluded buildings credit).		
FACILITY WATER	Source: Agency facility water use is submitted to DOE-FEMP through Annual Energy Data Reports. Details and background data can be found on FEMP's Comprehensive Annual Energy Data		
EFFICIENCY	and Sustainability Performance data site.		
	Source: Agency sustainable building inventory is reported through GSA's Federal Real Property Profile Management System. Details and background data can be found in the Federal Real		
HIGH PERFORMANCE	Property Public Data Set (FRPP).		
SUSTAINABLE	 Assessed as Sustainable: Any building which meets the criteria as laid out in the CEQ Guiding Principles for Sustainable Federal Buildings and Associated Instructions. 		
BUILDINGS	• Applicable Buildings: All sustainable buildings and all federal buildings over 25,000 sq.ft. which met the criteria as detailed in Section 32 of the GSA 2022 Guidance for Real Property Inventory Reporting.		
FACILITY EFFICIENCY MEASURES/ INVESTMENT	Source: Agency facility efficiency investments are submitted to DOE-FEMP through Annual Energy Data Reports. Details and background data can be found on FEMP's <u>Comprehensive</u> Annual Energy Data and Sustainability Performance data site.		