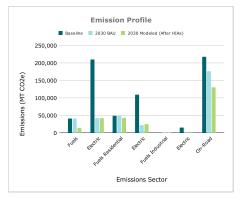


SBTs and Emissions Goals	2030 Per Capita	2030 Absolute	Baseline Scope 1 & 2 (MT CO2e)	2030 Scope 1 & 2 (MT CO2e)
	62.8%	59.0%	645,456	264,418

Growth Rates	Commercial	Residential	Industrial	On-Road Transportation	Grid Decarbonization
	Population Growth	Population Growth	Population Growth	Population Growth	CES
	10.19%	10.19%	10.19%	10.19%	-80.00%

	Baseline & Forecasted Emissions			Modeled Emissions (After HIAs)		
	Baseline Emissions (MT CO2e)	% of total (Adjusted)	2030 Forecasted Emissions (MT CO2e)	2030 Modeled Emissions (MT CO2e)	Percent Change	
Fuels Commercial	40,490	6%	40,847	13,767	-66.3%	
Electric Commercial	209,750	32%	42,320	42,325	0.0%	
Fuels Residential	48,207	7%	48,632	42,904	-11.8%	
Electric Residential	109,009	16%	21,994	24,317	10.6%	
Fuels Industrial	Fuels Industrial 675 0%		681	681	0.0%	
Electric Industrial	tric Industrial 14,836 2%		2,993	2,993	0.0%	
On-Road Transportation	218,017	33%	176,773	130,149	-26.4%	
Sum of Primary Sectors	640,984	97%	334,241	257,137	-23.1%	
Inventory Total	660,731	-	-	-	-	

Abbreviation Key				
SBT Science-Based Target				
HIA	High Impact Actions			
VMT	Vehicle Miles Traveled			
EV	Electric Vehicles			
SF	Square Feet (ft^2)			
ЕВ	Existing Buildings			



HIA Overview					
Туре	Name	Net Reduction (MT CO2e)	Description	Explanation/Source	
Grid Decarbonization	CES	294,071	Clean Energy Standard: 80% Reduction in carbon intensity (kg CO2/MWH) by 2030.	General Clean Energy Standard Goal Reduction from grid decarbonization occurs within the 2030 forecast, before other High-Impact Actions are modeled.	
High Level VMT Reduction	Moderate (5% VMT Reduction)	8,839	5% Reduction in total VMT	Generic moderate baseline	
On-Road Electric Vehicles Adoption	Moderate (4.5% Annual Growth)	33,971	22.5% of VMT is EV by 2030. This action influences an increase in Residential & Commericial buildings electricity emissions.	Middleground of BAU and aggressive approaches, https://evadoption.com/ev-sales/ev-sales-forecasts/	
Commercial Building Efficiency	IECC 2018	1,842	All new buildings including 1% of existing Sq FT (renovations and turnover) will meet IECC 2018 (36.95% reduction in building EUI)	https://www.ponl.gov/main/publications/external/technical_reports/PNNL-28125.pdf https://www.eia.gov/consumption/commercial/data/2012/c&e/pdf/e2.pdf	
Residential Building Efficiency	IECC 2018	957	All new buildings including 1% of existing Sq FT (renovations and turnover) will meet IECC 2018 (36.95% reduction in building EUI)	https://www.pnnl.gov/main/publications/external/technical_reports/PNNL-28125.pdf https://www.eia.gov/consumption/commercial/data/2012/c8e/pdf/e2.pdf	
Commercial Building Electrification	New + 6% EB Electrified	25,996	All new buildings & 6% Existing Sq FT per year are electrified. This action influences an increase in Commericial buildings electricty emissions.	Based on a combination of other scrianion: All new hulldings at 16 seating 5 RT per year are electrified. Based on % of building stock experiencing major retroft or replacement each year. https://www.schroders.com/en/sysglobalassets/digital/real-estate-de/publications/2-pages-from-property-chronicle-d6_online-2.pdf 2. S% of existing SF per year is electrified- "Because heating systems are replaced at a minimum of 10 years, this scenario represents half replacement with all electric heating systems. https://www.energystar.gov/campaign/heating_cooling/replace*	
Residential Building Electrification	New Buildings, All Electric	5,499	All new buildings & 1% Existing Sq FT per year are electrified. This action influences an increase in Residential buildings electiricty emissions.	Based on % of building stock experiencing major retrofit or replacement each year. https://www.schroders.com/en/sysglobalassets/digital/real-estate-de/publications/2-pages-from-property-chronicle-de/_conline-2.pdf	

2030 Outlook	2030 Absolute SBT	59.0%	2030 Per Capita SBT	62.8%
	Reduction Achieved (Abosolute)	59.9%	Reduction Achieved (Per Capita) 63.6%	
	Percent To Go (Absolute)	-0.9%	Percent To Go (Per Capita)	-0.8%

