



Business-as-Usual, Business-as-Planned, and Low-Carbon Scenario Assumptions

Employment Growth Increase in no 2004 Dec 2015 to 27.207 Same as BAU Same as BAU Oregon Department of Transportation Propose in 2004 Dec 2015 to 27.207 Same as BAU Oregon Department of Transportation Propose in 2004 Dec 2015 to 27.207 Same as BAU Oregon Department of Transportation Propose in 2004 Dec 2015 to 27.207 Same as BAU Oregon Department of Transportation Propose in 2005 Dec 2015 to 27.207 Same as BAU Oregon Department of Transportation Propose in 2005 Dec 2015 Dec 2015	Assumptions by Scenaric	Market Street or an artist of the last of		100	0
Decrease in Healing Degree Days from 200 to 100 500 to 100	Category	BAU Assumptions	BAP Assumption	LCS Assumption	Source(s)
Schools y 2050 - Increase in Climate - Increase in Colonia Degree Depts from 200 to - Increase by 14% between 2019 and 2039 - 2,373 new residents and 1,752 new housesholds - Increase by 14% between 2019 and 2039 - 2,373 new residents and 1,752 new housesholds - Increase ph 14% between 2019 and 2039 - 2,373 new residents and 1,752 new housesholds - Increase ph 14% between 2019 and 2039 - 2,373 new residents and 1,752 new housesholds - Increase ph 14% between 2019 to 27.207 - Individual Designation - Increase ph 14% between 2019 to 27.207 - Individual Designation - Increase ph 14% between 2019 to 27.207 - Individual Designation - Increase ph 14% between 2019 to 27.207 - Individual Designation - Increase ph 14% between 2019 to 27.207 - Individual Designation - Increase ph 14% between 2019 to 27.207 - Individual Designation - Increase ph 14% between 2019 - Increase ph 14% between 2019 to 27.207 - Individual Designation - Increase ph 14% between 2019 -	Climate				
Increase by 14% between 2019 and 2019 per as BAU Same as BAU Orgon Operation (Conv.)	Changes in Climate	5,600 by 2050 - Increase in Cooling Degree Days from 200 to		Same as BAU	Environmental Modeling and Analysis
- 3,373 new residents and 1,752 new households in Carpon and 1 increase from 20,091 jobs in 2016 or 27,007 plots in 2040 plots in 2016 or 27,007 plots in 2040 plots in 2016 or 27,007 plots in 2040 plots in 2018 Power Mix. - Representation - Seating missions factor. Grid Emissions Factor - Seating missions factor. Grid Emissions Factor - Representation - Seating missions factor. Grid Emissions Factor - Representation - Seating missions factor. Grid Emissions Factor - Representation - Seating missions factor. Grid Emissions Factor - Representation - Seating missions factor. Grid Emissions Factor - Representation - Seating missions factor. Grid Emissions Factor - Representation - Seating missions factor. Grid Emissions Factor - Representation - Number of Power Community on metal PSA Green of Power PSA Green of PSA Gr	Demographics				
Existing building standards. Existi	Population Growth		Same as BAU	Same as BAU	Equitable Housing Strategic Plan (2020
Existing emissions factor - POSEE's 2018 power mix; 2018 Power Mix Renewable - 35% - Renewable - 35% - National gas and other falls - 15% - Large hydro - 13% - Wishornully to meet EPN's Green - Power community present sources - Wishornully to meet EPN's Green - Power procurement - Power community a present shall be energy for community to meet EPN's Green - Power procurement - Pow	Employment Growth		Same as BAU	Same as BAU	Oregon Department of Transportation
P-GSE's 2018 power mix: 2018 Power Mix: P-GSE's 2018 Power p-GSE's 2018 Power mix: P-GSE's 2018 Power p-GSE'	Energy				
energy for community to meet EPAS Green prove Community program a requirements that 10% of the community's electricity to come from green sources- New Buildings Existing building standards. Existing building standards. Existing building standards. Existing building performance Existing building performance Existing building performance. Existing building performance. Existing building performance. Existing building performance. Existing standards. Existin	Grid Emissions Factor	- PG&E's 2018 power mix: 2018 Power Mix: - Renewable - 39% - Nuclear - 34% - Natural gas and other fuels - 15%	80% reduction by 2030, 90% reduction by 2035 and	Same as BAP	Oregon's Clean Energy Bill (2021)
Improvements to residential and commercial building contents of the servery 5 years. Begins with 8.5% energy efficiency gains in 2024 over 2019, with an additional 5.7% gain in 2028, with new code gains at 40 of previous gain. Existing Building Performance Existing building performance. Existing building performance. Existing building performance. Existing building performance. 1.5% of existing stock is weatherized each year, resulting in a 15% improvement per building. - Existing vehicle population Proportion of vehicles in Oregon, 2022 - Electric Vehicles - 1.2% - Plug-in Hybrid Electric - 3.7% - Other - 94.5% - An increasing percentage of new medium- and heavy-buy behicles must be 2EVs beginning in 2025 - on the vehicled sass. - An increasing percentage of new medium- and heavy-duly wehicles must be 2EVs beginning in 2025 - on the vehicle dass. - An increasing percentage of new medium- and heavy-duly wehicles must be 2EVs beginning in 2025 - on the vehicle dass. - An increasing percentage of new medium- and heavy-duly wehicles must be 2EVs beginning in 2025 - on the vehicle dass. - An increasing percentage of new medium- and heavy-duly wehicles must be 2EVs beginning in 2025 - on the vehicle dass. - An increasing percentage of new medium- and heavy-duly wehicles must be 2EVs beginning in 2025 - on the vehicle dass. - An increasing percentage of new medium- and heavy-duly wehicles must be 2EVs beginning in 2025 - on the vehicle dass. - Existing vehicle population. - An increasing percentage of new medium- and heavy-duly wehicles must be 2EVs beginning in 2025 - on the vehicle dass. - Existing vehicle population.	Renewable Energy Procurement	energy for community to meet EPA's Green Power Communities program's requirements that 10% of the community's electricity to come from	Same as BAU	TBD.	City of Wilsonville
Codes every 5 years Codes every 5 years	Buildings				
Transportation Existing vehicle population. Proportion of vehicles in Oregon, 2022 Electrify Light-Duty Vehicles Electrify Light-Duty Vehicles Electrify Electric Vehicles - 1.2% — Plup-in Hybrid Electric - 0.5% — Plup-in Hybrid	New Building Performance	Existing building standards.	codes every 5 years Begins with 8.5% energy efficiency gains in 2024 over 2019, with an additional 5.7% gain in 2028, with new	TBD.	State of Oregon
Electrify Light-Duty Vehicles - Existing vehicle population - Proportion of vehicles in Oregon, 2022 - Electric Vehicles - 1.2% - Pluy-in Hybrid Electric - 0.8% - An increasing percentage of new medium- and heavy-duty vehicles must be ZEVs beginning in 2025 - Ranges from 7% in 2025 to 75% in 20	Existing Building Performance	Existing building performance		TBD.	Oregon's Healthy Homes Repair Fund
Electrify Light-Duty Vehicles - Proportion of vehicles in Oregon, 2022 - Electric Vehicles - 1.2% - Plug-in Hybrid Electric - 0.6% - Hybrid Electric - 0.6% - Other - 94.5% - An increasing percentage of new medium- and heavy- duty vehicles must be ZEVs beginning in 2025 - Ranges from 7% in 2025 to 75% in 2035, depending on the vehicle dass - An increasing percentage of new medium- and heavy- duty vehicles must be ZEVs beginning in 2025 - Ranges from 7% in 2025 to 75% in 2035, depending on the vehicle dass - An increasing percentage of new medium- and heavy- duty vehicles must be ZEVs beginning in 2025 - Ranges from 7% in 2025 to 75% in 2035, depending on the vehicle dass - Replace transit buses - Existing fuel standards. Existing fuel standards. Existing transit buses Existing transi	Transportation				
Existing vehicle population. The average carbon intensity of gasoline and diesel decreases by 20% by 2035, and by 37% by 2035 relative to 2016 Replace all buses with alternative fuelled vehicles (electric, compressed natural gas) by 2028 -5 CNG Buses -5 Electric Buses Existing transit buses. Current mode share will be extracted from the Oregon Metro four-step trip based travel behavior model once the Wilsonville model is calibrated. Us the walking, cycling, and transit mode shares from the Oregon Metro four-step trip based travel behavior model. Data was provided for 2015, 2027 and 2040 Existing tree canopy coverage: 30% Increase tree canopy by 6% to 36% by 2046 by planting Table Oregon's Clean Truck Rules Same as BAP Oregon's Clean Fuels Program Table Oregon's Clean Fuels Program ABAP SMART Climate Action Plan Wetro has identified performance targets for non-driving mode shares percentages, which is to triple the walking, biking, and transit mode shares by 2040 compared to 2015. Equitable Housing Strategic Plan (202 and 203), including 990 multi-family, 1,238 single family attached -Existing free canopy coverage: 30% Increase tree canopy by 6% to 36% by 2046 by planting Increase tree canopy by 6% to 36% by 2046 by planting	Electrify Light-Duty Vehicles	- Proportion of vehicles in Oregon, 2022 - Electric Vehicles - 1.2% - Plug-in Hybrid Electric - 0.6% - Hybrid Electric - 3.7%	pickup trucks must either be battery electric or plug-in	TBD.	
decreases by 20% by 2030, and by 37% by 2035 Replace transit buses Existing transit buses. Existing transit action Plan. Existing transit action buses. Existing transit action buses. Existing transit action buses. Existing transit action bu	Electrify Medium & Heavy-Duty Vehicles	Existing vehicle population.	duty vehicles must be ZEVs beginning in 2025 - Ranges from 7% in 2025 to 75% in 2035, depending	TBD.	Oregon's Clean Truck Rules
Replace transit buses Existing transit buses. (electric, compressed natural gas) by 2028 - 5 CNG Buses - 5 Electric Buses Current mode share will be extracted from the Oregon Metro four-step trip based travel behavior model once the Wilsonville model is calibrated. Land Use Demand for 2,476 new homes between 2019 and 2039, including 990 multi-family, 1,238 single family detached, and 248 single family attached Existing transit buses. TBD. Metro has identified performance targets for non-driving mode share percentages, which is to triple the walking, biking, and transit mode shares by 2040 compared to 2015. Metro has identified performance targets for non-driving mode share percentages, which is to triple the walking, biking, and transit mode shares by 2040 compared to 2015. SMART Climate Action Plan Replica, from Wilsonville Performance walking, biking, and transit mode shares by 2040 compared to 2015. TBD. TBD. SMART Climate Action Plan Replica, from Wilsonville Performance targets for non-driving mode share percentages, which is to triple the walking, biking, and transit mode shares by 2040 compared to 2015. TBD. TBD. TBD. Lithan Forest Management Plan	Fuel Standards	Existing fuel standards.	decreases by 20% by 2030, and by 37% by 2035	Same as BAP	Oregon's Clean Fuels Program
Mode shift Oregon Metro four-step trip based travel behavior model once the Wilsonville model is calibrated. So the Walking, cycling, and transit mode shares by 2040 and 2040 or walking, biking, and transit mode shares by 2040 walking, biking, and transit mode shares by 2040 compared to 2015. Land Use Building Growth Oregon Metro four-step trip based travel behavior model. Data was provided for 2015, 2027 and 2040 or walking, biking, and transit mode shares by 2040 compared to 2015. MART Safe Routes Same as BAU. TBD. Equitable Housing Strategic Plan (202 family detached, and 248 single family detached, and 248 single family attached - Existing tree canopy coverage: 30% Increase tree canopy by 6% to 36% by 2046 by planting TRD. Lithan Forest Management Plan	Replace transit buses	Existing transit buses.	(electric, compressed natural gas) by 2028 - 5 CNG Buses	TBD.	SMART Climate Action Plan
- Demand for 2,476 new homes between 2019 Building Growth and 2039, including 990 multi-family, 1,238 single Same as BAU. TBD. Equitable Housing Strategic Plan (202 family detached, and 248 single family attached - Existing tree canopy coverage: 30% Increase tree canopy by 6% to 36% by 2046 by planting TBD. Utban Forest Management Plan	Mode shift	Oregon Metro four-step trip based travel behavior	the Oregon Metro four-step trip based travel behavior	driving mode share percentages, which is to triple the walking, biking, and transit mode shares by 2040	Update 2023; Transportation Master Plan, SMART Climate Action Plan,
Building Growth and 2039, including 990 multi-family, 1,238 single Same as BAU. TBD. Equitable Housing Strategic Plan (202 family detached, and 248 single family attached - Existing tree canopy coverage: 30% Increase tree canopy by 6% to 36% by 2046 by planting TBD. Lithan Forest Management Plan	Land Use				
Tree Canony - Existing tree canopy coverage: 30% Increase tree canopy by 6% to 36% by 2046 by planting TRD Lithan Forest Management Plan	Building Growth	and 2039, including 990 multi-family, 1,238 single	Same as BAU.	TBD.	Equitable Housing Strategic Plan (2020
	Tree Canopy	- Existing tree canopy coverage: 30%		TBD.	Urban Forest Management Plan

Draft Actions for Wilsonville

30% of new housing developed in Town Center



Retrofit buildings to achieve 50% thermal savings & 10% plug load savings



25% of new buildings are net zero by 2030, and 50% by 2040



90% of existing buildings have air source heat pumps by 2040



100% of new buildings include solar PV* by 2035



30% of customers procure carbon -free electricity by 2030



Draft Actions for Wilsonville

100% of new light-duty vehicles electric by 2035



100% of new heavy-duty vehicles electric by 2040



Mode shift to: 8% carpool, 14% walk, 12% bike, 16% transit by 2040



100% of RNG potential captured at wastewater treatment facility by 2040



50% of organic waste reduced or diverted from landfill by 2030



20% reduction in industrial energy use



*Or access to renewable energy