



WESTAR-WRAP Regional Haze Emissions and Modeling Scenarios – Display and Comparison Specifications

November 16, 2020 update

blue – complete

Scenario Type	Shakeout v1 & Model Performance Evaluation v2 (2014 emissions / BCs / meteorology)	Representative Baseline (emissions inputs from 2014 through 2018, uses 2014 meteorology)	Regional Haze Planning Goals 2028 Projections (2014 meteorology)	Alternate Outcomes and Contribution Scenarios (2014 meteorology)
Scenario Code	A	B	C	D
IWDW	Display emissions, model results, and site-level MPE results) Compares to B	Display emissions, model results Compare to A, C, D	Display emissions, model results Compares to B, C, D	Display emissions, model results Compares to B, C
TSS	Display emissions, model results Compares to B	Display emissions, model results Compare to A, C, D	Calculate and Display Visibility Projections for 2028 Reasonable Progress Goals Display emissions, model results Compares to B, C, D	Evaluate alternate scenarios Display emissions, model results Compares to B, C
CAMx Modeling Scenarios	2014v1 (no data display or distribution)	Representative Baseline v2 w/RepFire ¹ (RepBase2), with high-level CAMx source apportionment (PSAT) run	2028 On-The-Books w/RepFire ¹ , (2028OTBa2), with high-level CAMx source apportionment (PSAT) run	2028OTBa2_WildfireFuture ²
	2014v2			2028OTBa2_RxFireFuture ²
			2028OTB w/ Potential Additional Controls #2 w/ Rep Fire ¹ (PAC2)	Dynamic Modeling results ³
			2028OTBa2 w/ RepFire ¹ _SOxNOxPSAT state by source sector (2028OTBa2 low-level source apportionment)	

¹ Representative Baseline and Future Fire modeling inventories prepared by the Fire & Smoke Work Group; see: [Report](#) | [Summary Presentation](#)

² Fire paired in space and time with RepFire activity, these sensitivity scenarios give potential future impacts from wildfire and Rx fire on Reasonable Progress Goals

³ [Dynamic Evaluation Simulations](#)