

Recent TSS Updates

IWG Conference Call

February 21, 2008

TSS Tool Updates

- Class I Area summary table now available
 - Selection of Best/Worst days
(if Best days selected, no URP Target is calculated)
 - Selection of emissions scenario pairs:
“plan02c & base18b” OR “plan02d & prp18a”
 - Selection of RRF calculation method
 - Table is in HTML format – easily copied and pasted into Excel
- Emissions Review Tool now displays regional emissions
 - WRAP
 - CENRAP
 - Eastern US (Midwest RPO + MANE-VU + VISTAS)
 - Canada
 - Mexico

Class I Area Summary Table (1)

- The Class I Area summary table calculates metrics to support regional haze analysis by species, total light extinction, and deciview
- Use the tool selection box to choose the type of information you want displayed in the table

Class I Area Summary Table

Monitoring | Emissions and Source Apportionment | Modeling

Help: Selection of Days
 Best 20% Days (EPA)
 Worst 20% Days (EPA)
 Scenarios:
 2000-04 Baseline (plan02d) & 2018 Base Case (ppp18a)
 2000-04 Baseline (plan02d) & 2018 PRP (ppp18a)
 RRF Calculation Method:
 Specific Days (EPA)
 Quarterly Weighted
 Monthly Weighted

Class I Summary Table

Class I Area Visibility Summary: Rocky Mountain NP, CO							
Visibility Conditions: Worst 20% Days							
RRF Calculation Method: Specific Days (EPA)							
Emissions Scenarios: 2000-04 Baseline (plan02d) & 2018 PRP (ppp18a)							
Monitored	Estimated		Projected				
2000-04 Baseline Conditions (Mm-1)	2064 Natural Conditions (Mm-1)	2018 Uniform Rate of Progress Target (Mm-1) ¹	2018 Projected Visibility Conditions (Mm-1)	Baseline to 2018 Change In Statewide Emissions (tons / %)	Baseline to 2018 Change In Upwind Weighted Emissions ² (%)	Baseline to 2018 Change In Anthropogenic Upwind Weighted Emissions ² (%)	
Sulfate	7.91	0.93	5.96	5.88	-45,960 -40%	-35%	-36%
Nitrate	5.26	0.95	4.12	4.74	-71,718 -19%	-30%	-32%
Organic Carbon	10.51	4.3	8.86	9.95	-417 -1%	-1%	-2%
Elemental Carbon	2.56	0.39	2.01	2	-2,745 -22%	-25%	-44%
Fine Soil	1.27	1.14	1.31	1.49	-1,232 -3%	8%	11%
Coarse Material ³	4.9	4.08	4.71	Not Applicable	10,397 4%	12%	19%
Sea Salt ³	0.01	0.01	0.01		Not Applicable		
Total Light Extinction	41.32	20.80	35.38	37.98			
Deciview	13.83	7.15	12.27	12.94			

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1) 2018 Uniform Rate of Progress Target for Best 20% Days is not defined.
 2) Results based on Weighted Emissions Potential analysis using the 2000-04 Baseline (plan02d) & 2018 PRP (ppp18a) emissions scenarios.
 3) Visibility projections not available due to model performance issues.

Class I Area Summary Table (2)

Monitored	Estimated		Projected			
2000-04 Baseline Conditions (Mm-1)	2064 Natural Conditions (Mm-1)	2018 Uniform Rate of Progress Target (Mm-1) ¹	2018 Projected Visibility Conditions (Mm-1)	Baseline to 2018 Change In Statewide Emissions (tons / %)	Baseline to 2018 Change In Upwind Weighted Emissions ² (%)	Baseline to 2018 Change In Anthropogenic Upwind Weighted Emissions ² (%)

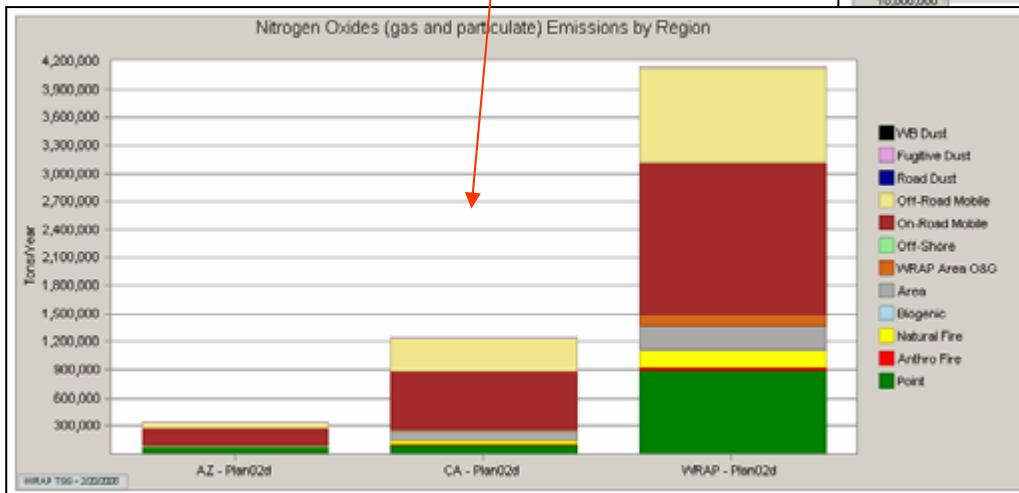
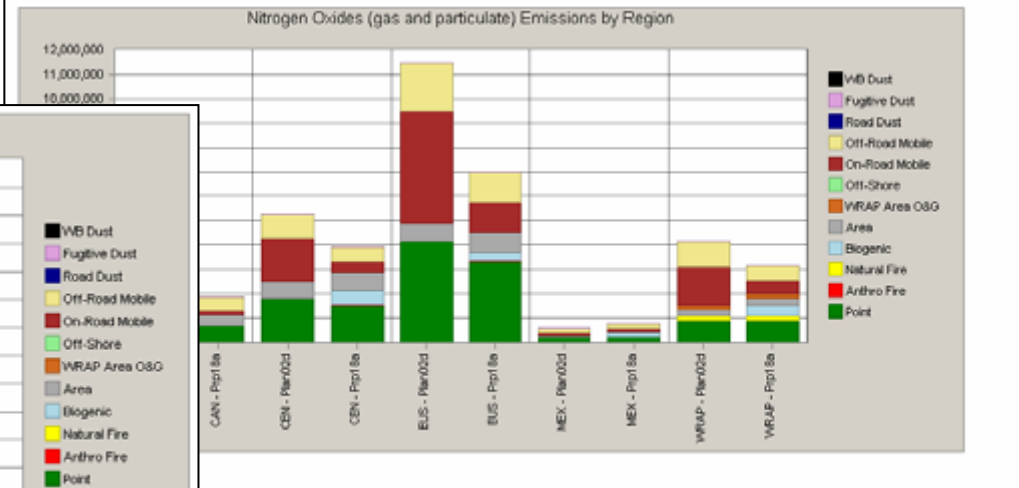
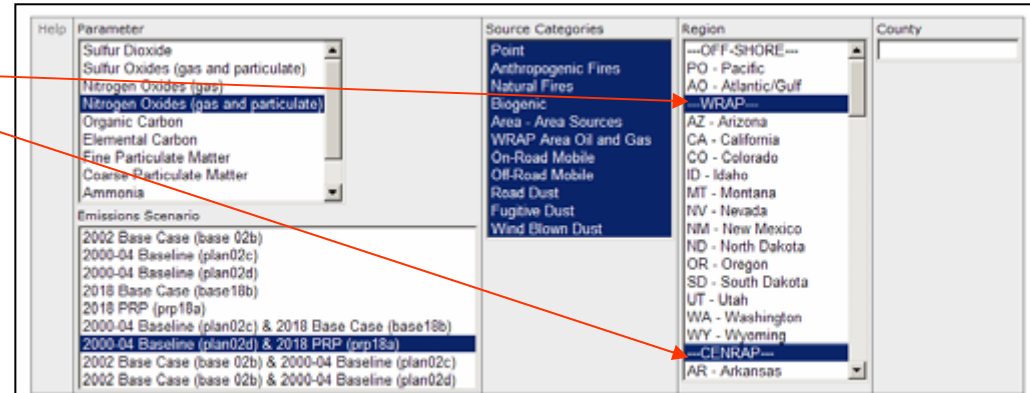
- These fields are all taken directly from the Visibility Projections tool (values also available in the Glide Slope tool)
- This field is taken directly from the Visibility Projections tool
- This field is calculated from the Emissions Review tool

- This field is calculated from the WEP tool*
- This field is calculated from the WEP tool*, including all source categories except: Natural Fires, Biogenic, and Wind Blown Dust

* Note that all WEP results are based on the "plan02d & prp18a scenario pair"

Emissions Review Tool Revised

- The tool will now display regional sums of emissions data
- Regional emissions can be displayed alongside state emissions



Please Don't Hesitate to Ask for Help!!!

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