

Outline of AMC request for cost estimates

1. **Maintain the ongoing support systems for implementation of regional haze requirements. Lights on, Running the systems, keeping data current and available**
  - a. TSS, VIEWS, EDMS, FETS
  - b. Separate estimates for hardware upgrades

<b>Annual Base Funding – On-going System Maintenance and Operation</b>			
<b>Contracted System, Activity, etc.</b>	<b>Sponsoring Committee</b>	<b>Annual Costs</b>	<b>Description or Additional Information</b>
TSS management	TAF a. (i)-(iii)	175,000	Management, data display updating and storage, tool development, training, other major operational elements
FETS operations and maintenance	FEF	XX,000	Data base compilation for wildfire, planned and accomplished Rx activities and emissions
VIEWS project	TAF	XX,000	Report, analyze and display IMPROVE data; assumes matching contributions from other RPOs totaling \$120K
EDMS operations and maintenance	EIF a.(i)(ii); b(i)	75,000 40,000	Haze emissions tracking, storage, analyses
309 SO2 Milestone Program tracking	RHIWG	XX,000	Implementation of program, ongoing since 2003
Regional modeling analyses by RMC	TAF	XX,000	Analyses to support review, approval, and continue implementation of haze plans
Hardware and software		XX,000	
Website maintenance		XX,000	
Personnel costs (x.x fte)		XX,000	
Travel support (x trips at \$x per trip)		XX,000	
Overhead estimate		XX,000	
Recommended system/infrastructure enhancements		XX,000	List and explain each separately

- 2. Periodic updates of monitoring, emissions data, perform modeling and other analyses required by the regional haze rule**
- a. Upgrade data quality – fill data gaps and holes in emission source categories and monitoring networks. Provide most current emission projections for RH planning 2012?, 2018
  - b. Additional modeling needed for 2012 check-in,

<b>Regional Haze – Periodic Assessments</b>			
<b>Year Needed</b>	<b>Assessment Description</b>	<b>Cost</b>	<b>Additional information</b>
2010-2011	Supplemental Emissions updates for haze EIF c. (i)-(iv): d. (i)-(iv) TAF a. (i)	225,000 75,000	Filling ‘holes’ in selected source categories, updating EIs for 2012 SIP review (example)
	Supplemental Monitoring updates for haze	XX,000	In concert with emission and modeling updates for 2012 SIP review (example)
	Required modeling and other analyses required for regional haze	XX,000	Explain each and the cost per analysis effort
	Additional recommended modeling and other analyses required for regional haze	XX,000	Explain each and the cost per analysis effort

- 3. Additional increments of regional technical assessments for other pollutants, assuming that full funding is provided for items 1) and 2)**
- a. Ozone

<b>Estimated Incremental Cost for Regional Ozone Studies, Assuming Base Funding for Regional Haze</b>			
<b>Activity</b>	<b>Cost</b>	<b>Explanation, Other Information (Project Description)</b>	<b>Explanation (Different or supplemental data sets from Haze)</b>
Emissions Inventory	50,000, (175,000 – AMC/TOC determine)	EIF a (iii) (iv) (GHG? – AMC/TOC determine)	(Combined HG, NH) TOC recommend include GHG in new EI)
Monitoring			
Regional Modeling			
Other	-	EIF b (ii)-(iv)	Control effectiveness, Source attribution, (Combined with HG, NH)

**b. Mercury**

<b>Estimated Incremental Cost for Regional Mercury Air Quality Analyses and Aquatic Deposition Studies, Assuming Base Funding for Regional Haze</b>			
Activity	Cost	Explanation, Other Information (Project Description)	Explanation (Different or supplemental data sets from Haze)
Emissions Inventory	50,000	EIF a (iii) (iv)	(Combined O3, NH)
Monitoring			
Regional Modeling			
Other	-	EIF b (ii)-(iv)	Control effectiveness, Source attribution, (Combined with O3, NH)

**c. NO/NH deposition**

<b>Estimated Incremental Cost for Regional Nitrogen Analyses and Deposition Studies, Assuming Base Funding for Regional Haze</b>			
Activity	Cost	Explanation, Other Information (Project Description)	Explanation (Different or supplemental data sets from Haze)
Emissions Inventory	50,000	EIF a (iii) (iv)	(Combined O3, HG)
Monitoring			
Regional Modeling			
Other	-	EIF b (ii)-(iv)	Control effectiveness, Source attribution, (Combined with O3, HG)