

TWIST PROJECT – FIRE EMISSIONS SCOPE OF WORK

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This memorandum includes a brief Scope of Work, budget estimate, and schedule for the fire emissions portion of the Technical WRAP-Up and Implementation Support Team (TWIST) Project.

Scope of Work.

The tasks for the TWIST Project – Fire Emissions include:

- Summarize fire technical issues in a memo from the FEJF to be completed late May 2007 (addressing plume rise, 2018 modeling suites, etc.) – review on May 29, 2007 FEJF call.
- Organize and lead “No One of Us is Smarter than All of Us” meeting (early June 2007). Come out of meeting with prioritized list of “Lessons Learned.”
- Prepare a briefing paper on “Fire Emissions Lessons Learned” on behalf of FEJF for distribution in mid-July 2007. Review on June FEJF call, accept comments until mid-July, then publish “final draft” as basis of presentation in September at workshop.¹ The general idea for the format of the briefing paper is to be a series of “poster sessions,” each one dedicated to a specific lesson learned pertaining to fire emissions, modeling, smoke management, etc.
- Prepare for and participate in the mid-September 2007 “Regional Haze Emissions - Lessons Learned” workshop in Salt Lake City, UT.
- Complete final version of briefing paper, addressing comments from workshop, by mid-October 2007

¹ Air Sciences has been invited by WRAP to contribute to September 2007 edition of EM – Determining Man’s Impact on Scenic Visibility. The article for EM, “Natural and Managed Emissions from Fire” is expected to be a brief, high-level summary of the “Fire Emissions Lessons Learned” briefing paper.

Budget & Schedule.

Table 1 presents the task-by-task budget estimate for the project. The schedule for the project is presented in Table 2.

Table 1 - Budget

Technical WRAP-up and Implementation Support Team (TWIST)									
Budget - Fire Emissions									
\$24,964		Air Sci Hours:	194	Cost:	Expenses:	\$ 1,000			
		Air Sciences Inc.							
\$ 24,964		Principal (Randal)	Associate (Schreuder)	Senior ()	Staff (Mavko)		Expenses/ Travel	Labor Total	Sub-task Total
		\$14,800	\$524	\$0	\$8,640	\$0			
Billing Rates	Hourly Rate: 2007	\$ 148	\$ 131	\$ 113	\$ 96	\$ -			
Task 1 - FEJF Fire Technical Issues Summary Memo									
Task 1									
\$ 6,988	Rough Draft	24	4		14			\$ 5,420	\$ 5,420
	final publication	8			4			\$ 1,568	\$ 1,568
Task 2 - Briefing Paper on Fire EI's Lessons Learned									
Task 2									
\$ 13,248	No One of Us is Smarter than All of Us Meeting	8			4			\$ 1,568	\$ 1,568
	Draft Briefing Paper	24			40			\$ 7,392	\$ 7,392
	FEJF Call	4			4			\$ 976	\$ 976
	Final Briefing Paper pre-workshop	4			8			\$ 1,360	\$ 1,360
	Final Briefing Paper post-workshop	8			8			\$ 1,952	\$ 1,952
								\$ -	\$ -
							\$ -	\$ -	
Task 3 - Lessons Learned Workshop									
Task 3									
\$ 4,728	Prepare for workshop	4			8			\$ 1,360	\$ 1,360
	Participate in workshop	16					\$ 1,000	\$ 2,368	\$ 3,368
								\$ -	\$ -
							\$ -	\$ -	
							\$ -	\$ -	
							\$ -	\$ -	

Table 2 – Schedule

Technical WRAP-up and Implementation Support Team (TWIST)
 Schedule - Fire Emissions

<u>Task</u>	<u>Subtask/Event</u>	4/27/2007	5/11/2007	5/25/2007	6/8/2007	6/22/2007	7/6/2007	7/20/2007	8/3/2007	8/17/2007	8/31/2007	9/14/2007	9/28/2007	10/12/2007
Scope of Work/Budget/Schedule		4/27												
WGA Contract			5/9											
FEJF Fire Technical Issues Summary	<i>Rough Draft</i>			5/25										
	<i>FEJF Call</i>				5/29									
	<i>Final Publication</i>					6/15								
Briefing Paper on Fire Els Lessons Learned	<i>NOOUISTAOU Meeting</i>				5/30									
	<i>Draft</i>					6/12								
	<i>FEJF Call</i>						6/26							
	<i>Final (pre workshop)</i>													
	<i>Final (post workshop)</i>													10/12
Lessons Learned Workshop													9/25-26	
Submittal to EM Journal	<i>Detailed outline</i>			5/15										
	<i>Submitted Paper</i>				6/8									
	<i>Published Journal</i>													