

Emissions Forum 2003/2004 Budget



July 2, 2003



Emissions Forum 2003/2004 Budget

- Review status of 2003 projects
 - Completed
 - In process
 - Not started
- Thoughts about 2004



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■ 2003 budget

- Pechan work - *complete*
 - 2018 point/area inventory
 - 2000 point SO₂ inventory for MTF
 - 1996 point/area inventory QA
- EDMS Needs Assessment – *almost done*
- NH₃ EI improvements by RMC ~\$85k – *underway*
- Chemical Speciation/Temporal Allocation analysis by RMC ~\$75k - *underway*
- EDMS Development/User Access Capability (~\$122k)
- Develop representative community EIs (\$175k – Phase 1 of 2, includes Alaska)



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- 2003 budget
 - Of the ~\$122k for EDMS development, some (\$50k?) could be spent in 2003, assuming that a contract is awarded in September. So, about \$75-80k will likely be carried forward into 2004.
 - Of the \$175k for Representative Community EIs, a team of EF members needs to be identified, as further work is needed to develop an RFP



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- 2004 EF Budget funding for projects
 - EDMS \$450k total (form workgroup - Lee, Alice, Tom, Brooke Hemming, Dennis, Mike Uhl – borrow RFP, others!)
 - Start development in 2003, estimate spending of \$50k, carryover of \$75k
 - New development \$ of 180k (includes testing)
 - Home & administrator \$125k (½ year, (includes DBA and analyst)
 - User Manual \$35k
 - QA procedures and protocol for data modification \$20k
 - Training for input by, and EDMS use by S/T/L \$90k
 - Phase 2 of Representative Community EIs \$100k
 - Alaska aviation inventory \$50k



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- **2004 EF Budget – *funding for projects***
 - *(\$50k for 2004 – Tom/MF) Inter-RPO Ammonia*
 - *(\$50k for 2004 – Tom/MF) Inter-RPO OPen Emissions Model (OPEM) – if acceptable to AQMF, then proceed as RMC activity*
 - *(\$25k, pending report from MF/RMC - Tom) Further work on CS/TA for P&A Sources – SCC Survey*
 - *(Tom) Recommend DEJF do further work on Windblown Dust algorithm, validation of performance in modeling, more wind tunnel work on clay surfaces?*
 - *(Tom) Recommend RMC develop Alaska biogenics EI*
 - *(Tom) Recommend RMC develop Alaska modeling grid*
 - *(Tom) Recommend modeling sensitivity analysis by RMC about aviation cruising emissions*
 - *(\$5k for 2004) Canada/Mexico Els' review/QA/preparation (for WRAP Phase I base year modeling)*



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- 2004 EF Budget – *funding for projects, cont.*
 - Upgraded “2002-like” EI (for WRAP Phase I base year modeling – as deliverables by 3-4/04) (\$90k)
 - (\$50k for 2004 – Mike Boyer/Tom) Mobile sources (need to update NONROAD2002 modeling for 2003 calendar year to accommodate new/proposed rules, 2003 on-road okay)
 - (\$20k for 2004 - Dennis) Point sources based on 2000 MTF EI (verify/modify with 2002 Acid Rain data from EPA, include states/AQMDs’ corrections from §309 EI reviews, coordinate with Stationary Sources Forum)
 - Fire (assigned to FEJF)
 - Dust (general responsibility to be assigned to DEJF, coordinate with EF, WB dust from RMC, using algorithm, 2003 Road Dust okay)
 - (\$20k as part of Point, above – Dennis/Tom) Area sources (grow 1996 using 2000 census data)
 - QA for EIs before/after use by AQMF and RMC!!!



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- 2004 EF Budget – *funding for projects, cont.*
 - “Real” 2002 base year (for WRAP Phase II base year modeling (from which projections would be generated starting in 2005) – as deliverables by late 04) – (\$
 - *EDMS fully operational – awaits development and DBA interactions*
 - *Backup plan*
 - *Complete and QA 2002 EI, fill gaps, and preparation of modeling-input files (\$35k)*
 - *2003 SO₂ major source EI for Annex (\$10k)*
 - *Preparation of EIs and QA for policy Forums’ analysis (Analyst)*