

WRAP SSJF/Projections Work Group

ERG Work Plan for Projections Task 1.C

- A. Review previous projections, models, data:
 - C Electricity generation forecasts from MTF
 - C Dec 2002 Pechan report for 2018 projections (and IAS inputs and assumptions if applicable)
 - C EGAS model inputs and assumptions; check status of EGAS 5.0 and feasibility for this project
 - C Population forecasts
 - C Energy projections from USDOE
 - C Livestock projections from USDA
 - C Others priority sectors to be determined (Note that oil and gas projections will be handled by that work group)
- B. Update retirement rates for existing sources
 - C Begin with Dec 2002 Pechan report for 2018 projections
 - C Confirm construction/operation dates for BART-category sources; recalculate potential retirement dates
 - C Conduct literature reviews, and interviews with industry experts
 - C Evaluate assumption to replace all retiring facilities/units with source in same location @ NSPS/BACT level (Dec 2002 Pechan report, pg. 4)
- C. Identify new (expected) sources, location, fuel use
 - C Focus on sources built between 2002 and present, currently undergoing permit review
 - C EGU and refinery data available on web
 - C Conduct interviews with state/local contacts; ask work group for primary contacts + ERG contacts from BART project
 - C Investigate other data sources (e.g., trade associations)
 - C Use sector-level growth factors as necessary
- D. Develop projection variables for:
 - C Demographic growth (EGAS or census data)
 - C Economic growth (EGAS; sector specific growth that may be better than EGAS [e.g., DOE, USDA, industry data from priority sectors identified in A])
 - C Retirement rates (see B, above)
 - C New sources (see C, above)
 - C Future regulations (see F, below) (Note: Cannot be included since research is not scheduled for completion until March 1)
- E. Write memo with findings from A-D, by **March 15**
 - C Work group provides comments on memo for A-D, **by April 1.**
- F. Identify laws and regulations adopted 2003-2004 and implemented by 2018
 - C Assume regulations adopted prior to 2003 were accounted for in 2002 inventories (confirm assumption with work group).
 - C Search for SIPs adopted and under review (EPA Regions 6, 8, 9, 10 + state websites) anytime in 2002 and later (may have rules adopted after 2002):
 - Review ozone Early Action Compacts (EACs) that must be adopted by 12/31/04 (www.epa.gov/ttnnaaqs/ozone/eac) for Colorado (Denver area) and New Mexico (San Juan Co.)

- Identify any rules/regulations implemented during 2002 and later
 - Determine SCCs of point and area sources affected, type of control, control efficiency, rule effectiveness/penetration, (and cost-effectiveness, if available)
- C Review post-2002 MACTs that affect criteria pollutants + NH₃
(www.epa.gov/ttn/atw/eparules.html)
 - C Include impacts of SO₂ annex for AZ, NM, OR, UT, WY
 - C Include impacts from agreements/enforcement actions (ie., Springerville, Huntington, and Comanche power plants); non-EGU NSR settlements
 - C Interview Regional/SIP state contacts to confirm any questions regarding adoption dates, impacts
 - C Write memo with findings, **by February 1**, including estimates of emissions reductions by source and pollutant.
- G. Other Issues:
- C Determine how/if to handle opacity limits, record-keeping requirements, rule effectiveness/rule penetration (RE/RP)
 - C Future control strategies planned in California will be handled under control scenarios (Task 2).
 - C Develop table to assist with setting priorities by source category, **by January 21**.
- H. Develop draft 2018 baseline projections and submit to work group, **by May 9**
- C Work Group provides comments on draft 2018 baseline projections, **by May 23**.
- I. Make changes to draft projections, input final projections into EDMS, **by June 1**
- J. Submit draft final report, **by June 29**
- C Work group provides comments/approval of draft final report, **by July 27**
- K. **Submit final report, by September**

Date as contained in SOW

Deviation to SOW schedule; approved by Work Group