

BEFORE THE CORPORATION COMMISSION OF OKLAHOMA

APPLICATION OF PUBLIC SERVICE COMPANY OF)
OKLAHOMA FOR COMMISSION AUTHORIZATION)
OF A PLAN AND COST RECOVERY OF ACTIONS)
OF PSO TO BE IN COMPLIANCE WITH CERTAIN)
ENVIRONMENTAL RULES PROMULGATED BY)
THE UNITED STATES ENVIRONMENTAL) CAUSE PUD 2 01200054
PROTECTION AGENCY; SUCH ACTIVITIES TO)
INCLUDE, BUT NOT BE LIMITED TO, CAPITAL)
EXPENDITURES FOR EQUIPMENT AND)
FACILITIES; CONSTRUCTION OR PURCHASE OF)
AN ELECTRIC GENERATING FACILITY OR ENTER)
INTO A LONG-TERM PURCHASE POWER)
CONTRACT (AND POSSIBLE EARNINGS ON THE)
CONTRACT); CHANGE IN DEPRECIATION RATES)
AND/OR ESTABLISHMENT AND RECOVERY OF A)
REGULATORY ASSET; AND FOR SUCH OTHER)
RELIEF AS THE COMMISSION DEEMS PSO IS)
ENTITLED.)

PUBLIC SERVICE COMPANY OF OKLAHOMA'S RESPONSE TO SIERRA CLUB'S
FIFTH SET OF DATA REQUESTS

Question 9:

(Ref. Response to SC 3-16.)

The study referenced in response to SC 3-16 considers the comparative water consumption and costs thereof for various sulfur dioxide scrubbing technology options, and therefore does not fully respond to Sierra Club's request.

- a. Please compare the water consumption of (i) the controls that would be installed under the EPA Settlement with (ii) the installation of DFGD at both units (i.e., the FIP), and identify and produce any supporting analysis.
- b. Please compare the operational costs for water consumption if the EPA Settlement is implemented with the operational costs for water consumption if DFGD is installed at both units (i.e., the FIP).

Response No. 9:

- a. (i) This arrangement consumes approximately 11,250 gallons of water per day.
(ii) The DFGD options consume approximately 737,000 - 805,000 gallons of water per day for two unit operation.

Please see Sierra Club 5-9, Attachments 1 and 2 for more information.

- b. Using an estimate of \$1 per 1,000 gallons and applying to the estimated consumption in (a) above results in the EPA settlement controls costing approximately \$11.25 per day and the DFGD options ranging from approximately \$737 - \$805 per day.

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