

EGTEI QUESTIONNAIRE
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on the 4th may 2007
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Do you know reference document which could be useful for expert panels?

- Emerging technologies according to the IPPC Reference Document on Best available Techniques for LCP (july 2006)
- IFARE document on emerging technologies ordered by European Commission
- Energy Efficiency in Power plants (Frans van aart, Wim Kok, pierre Ploumen) (KEMA power generation § sustainables)
- Energies for the new Millenium (RAG + STEAG)
- German document on CO2 captation and stockage (cf Mr KRUEGER)

Would you recommend to contact other experts?

- **INDUSTRY**
- GDF
- EDF Chatou Research Center
- EDF engineering (La défense)
- EDF fossil fire plant production department (St denis)
- EDF overseas production department
- SNET
- SUEZ Group
- TOTAL
- **LABORATORY:IFP**
- **MANUFACTURER**
- ALSTOM
- CNIM

Table for EDF existing coal LCP in France (2020) (3 x 600 MWe) in semi-basis use

these units will be almost at their end of life in 2020: impossible to implement techniques (economical barrier)

Pollutant	Abatement techniques	Abatement efficiency	CO2 impact	Maturity	Penetration rate	New or existing plant	Investment (to be checked)	Comments
NOx	Low-NOx burners or low NOx combustion	50%	none	Existing technologies	0%	Existing plant	30 MEuros/unit	
NOx	SCR catalyser management or SCR other improvements	20%?	none	Existing technologies			O&M increased	These units are already equipped with SCR (operationnal at the end of 2007)
SOx	Adipic acid injection in the FGD (or other techniques to improve abatement efficiency)	20%?		Existing technologies			O&M increased	These units are already equipped with FGD and already use low sulphur coal (this last evolution is already in course)
CO2+ NOx+ SO2	Bottom ash dry extractor		-0,3%	Existing technologies			4 MEuros/unit	For instance Magaldi ash cooler, almost 100% penetration rate in Italy