

REGIONAL TRENDS IN ENERGY-EFFICIENT COAL-FIRED, POWER GENERATION TECHNOLOGIES

TABLE OF CONTENTS

SUMMARY	5
1. INTRODUCTION	15
2. REGIONAL ASSESSMENTS	16
2.1. OECD North America	16
2.1.1. Canada.....	17
2.1.2. United States	18
2.2. OECD Europe	19
2.3. Southern Africa	20
2.4. OECD Asia/Pacific	21
2.4.1. Australia/New Zealand.....	21
2.4.2. Japan.....	22
3. REGIONAL FOCUS - ASIA/PACIFIC REGION	23
3.1. Survey of Independent Power Producers	24
3.2. World-wide Experience with SCPF Technology	25
3.3. Comparison of SCPF and Conventional PF Performance and Costs	26

4. CONCLUSIONS	30
4.1. OECD North America	32
4.2. OECD Europe.....	33
4.3. Southern Africa	33
4.4. OECD Asia/Pacific	34
4.5. Non-OECD Asia/Pacific.....	35
4.5.1. Survey of Independent Power Producers	35
4.5.2. World-Wide Experience with SCPF Technology.....	35
4.5.3. Comparison of SCPF and Conventional PF Performance and Costs.....	35
 APPENDICES	 37
APPENDIX I - REGIONAL STUDIES ON EVOLUTION OF POWER GENERATION, OECD NORTH AMERICA.....	39
I.1. The Potential for Energy Efficient, Coal-Fired Power Generation in Canada.....	41
I.2. Trends in the Evolution of Energy Efficient, Coal-Fired Power Generation Technologies in the United States	71
 APPENDIX II - REGIONAL STUDIES ON EVOLUTION OF POWER GENERATION, OECD EUROPE	 87
 APPENDIX III - EVOLUTION OF POWER GENERATION, SOUTHERN AFRICA STUDY	 105
 APPENDIX IV - OECD ASIA/PACIFIC.....	 123
IV.1. Regional Studies on Evolution of Power Generation, Australia and New Zealand.....	125
IV.2. Study on Evolution of Energy Efficient, Coal-Fired Generating Technology (Regional Studies Asia-Pacific)	155
 APPENDIX V - INCREASING THE EFFICIENCY OF COAL-FIRED POWER GENERATION, STATE OF THE TECHNOLOGY: REALITY AND PERCEPTIONS	 161