

# CONTENTS

1.	INTRODUCTION .....	1
2.	TRENDS IN ENERGY USE .....	4
2.1.	Global energy use by fuel type .....	5
2.2.	Regional distribution of global energy use .....	6
2.3.	Comparison of energy use on a per capita basis .....	8
2.4.	Trends in energy use by fuel type in the regions .....	11
2.4.1.	North America .....	11
2.4.2.	Latin America .....	13
2.4.3.	Western Europe .....	14
2.4.4.	Eastern Europe .....	16
2.4.5.	Africa .....	17
2.4.6.	Middle East and South Asia .....	19
2.4.7.	Southeast Asia and Pacific .....	20
2.4.8.	Far East .....	22
3.	ELECTRICITY GENERATION TRENDS .....	24
3.1.	Sources of global electricity generation .....	24
3.2.	Regional distribution of electricity generation in the world ...	26
3.3.	Electricity generation on a per capita basis .....	28
3.4.	Trends in electricity generation by fuel type in the regions. ...	29
3.4.1.	North America .....	29
3.4.2.	Latin America .....	31
3.4.3.	Western Europe .....	33
3.4.4.	Eastern Europe .....	34
3.4.5.	Africa .....	36
3.4.6.	Middle East and South Asia .....	37
3.4.7.	Southeast Asia and Pacific .....	39
3.4.8.	Far East .....	41
4.	NUCLEAR POWER EXPANSION .....	42
4.1.	Regional trends in nuclear power units in operation and under construction .....	44
4.2.	Nuclear power capacity expansion and generation .....	47
4.3.	Trends in nuclear power capacity expansion by region .....	47

5.	OUTLOOK FOR NUCLEAR POWER DEVELOPMENT .....	52
5.1.	Previous nuclear power projections .....	53
5.2.	The IAEA's 2006 nuclear power projections .....	56
5.2.1.	Projections of nuclear power generation made in 2006 .....	60
5.3.	Nuclear power development in the context of energy and electricity needs .....	61
6.	CONCLUSIONS .....	67
	REFERENCES .....	69
	ANNEX: NOTES AND DEFINITIONS .....	71
	CONTRIBUTORS TO DRAFTING AND REVIEW .....	77