## VIRGINIA ENERGY PLAN – TABLE OF CONTENTS

Executive Summary	i
Section 1 – General Energy Information	
Quick Facts	1-1
State Energy Policy	1-2
Energy Consumption	1-3
Energy Balance – Imports and Exports	1-4
Energy Consumption and Production Forecasts	1-7
Energy Infrastructure	1-8
State Rankings	1-9
Section 2 – Electricity	
Virginia's Electric Providers	2-1
Electric Consumption	2-2
Virginia's Electric Regulatory Structure	2-3
Reliability Requirements	2-4
Electric Generation	2-5
Electricity Imports	2-9
Electric Rates and Costs	2-10
Future Electric Demand	2-16
Integrated Resource Plans	2-16
Transmission and Distribution of Electricity	2-17
Conservation and Efficiency	2-19
Adequacy of Electric Infrastructure Siting Requirements	2-21
Future Direction	2-23
Section 3 – Coal	
Coal Markets – Electric Generation	3-1
Coal Markets – Other Uses	3-4
Coal Prices	3-4
Future Uses of Coal	3-6
Coal Mining in Virginia	3-7
Infrastructure	3-10
Coal Facility Siting Requirements	3-11
Section 4 – Nuclear Power	
Nuclear Power Generation in Virginia	4-1
Nuclear Power Plant Designs	4-1
Spent Fuel Management	4-2
The Nuclear Fuel Cycle	4-2

	Nuclear Fuel Costs	4-3
	Nuclear Plant Siting and Construction	4-3
	Uranium Mining	4-4
	Nuclear Industry Workforce Development	4-5
Section	5 – Natural Gas	
	Virginia's Natural Gas Providers	5-1
	Natural Gas Consumption	5-2
	Virginia's Natural Gas Regulatory Structure	5-3
	Natural Gas Transmission	5-4
	Natural Gas Prices	5-6
	Conservation and Efficiency	5-7
	Natural Gas Production	5-8
	Offshore Natural Gas	5-11
	Natural Gas Storage	5-12
	Adequacy of Supply	5-13
Section	6 – Renewables	
	Renewable Energy	6-1
	Biomass and Waste-to-Energy	6-3
	Hydroelectric Power	6-6
	Onshore Wind	6-7
	Offshore Wind	6-9
	Solar Power	6-12
	Geothermal Power	6-13
Section	7 – Petroleum	
	Petroleum Consumption	7-1
	Petroleum Product Pipelines and Distribution	7-3
	Petroleum Prices	7-5
	Conservation and Efficiency	7-7
	Petroleum Production	7-7
	Offshore Oil	7-8
	Petroleum Refining	7-9
	Adequacy of Supply	7-9
Section	8 – Findings and Recommendations	
	Findings	8-1
	Goals and Recommendations	8-1
Append	lix – Code of Virginia, Title 67, Virginia Energy Plan	
	Chapter 1, Energy Policy of the Commonwealth	i
	Chanter 2 Virginia Energy Plan	iii

Table of Contents