

	Page
LIST OF TABLES	v
LIST OF FIGURES	vii
ABOUT THE AUTHOR AND GAA, INC.	ix
ACKNOWLEDGMENTS	x
FOREWORD	xi
KEY FINDINGS OF THE STUDY	xiii
INTRODUCTION	xvii
CHAPTER ONE: GENERAL INFORMATION	1
Number of Facilities	2
Status of Facilities	3
Location By Region	5
Location By State	7
Start Up and Shutdown Dates	9
Gas Product	10
CHAPTER TWO: THE GAS SOURCE: LANDFILL DATA	15
Owner and Operator of Landfills	15
Landfill Acreage	17
Other Landfill Data	20
Landfill Operational Status	21
CHAPTER THREE: LANDFILL GAS COLLECTION SYSTEMS	23
Wellfields and Trenches	23
Gas Flow Rates	24
Piping Materials	27
Gas Flow Measurement	28
Flaring of Landfill Gas	29
Condensate Treatment	29
CHAPTER FOUR: LANDFILL GAS PROCESSING SYSTEMS	31
Gas Heating Values	31
Electric Power Output Ratings	31
Electrical Generating Equipment	33
Electricity Pricing	36
Gas Pricing	39
Contracts for Sale of Electricity or Gas	39

CHAPTER FIVE: THE ROLE OF THE PUBLIC AND PRIVATE SECTOR	41
Gas Collection Systems: Owners and Operators	41
Gas Processing Systems: Owners and Operators	42
Relationship Between Operator to Owner	42
Market Share of Major Project Developers	43
CHAPTER SIX: COSTS AND FINANCING ARRANGEMENTS	49
Capital Costs	49
System Modification and Expansion Costs	53
Royalties	54
Capital Financing Arrangements	54
Operation and Maintenance Costs	55
CHAPTER SEVEN: TRENDS IN THE INDUSTRY	57
Project Growth	57
Regional Distribution	59
Type of Gas Product	59
Total Gas and Power Production	60
Landfill Acres and Gas Flow	63
Condensate Management	65
Conclusions	66
SELECTED REFERENCES	67
THE DIRECTORY	71
LIST OF SHUTDOWN FACILITIES	735
LIST OF CANCELED FACILITIES	741
LIST OF FACILITIES BY STATE, CITY AND STATUS	745
LIST OF FACILITIES BY MAJOR DEVELOPER	755