

TABLE OF CONTENTS

1.0	EXECUTIVE SUMMARY	1
2.0	INTRODUCTION	10
2.1	Description of proposed action	10
2.2	Project Purpose, Need and Benefit.....	11
2.3	Project Cost and Funding	17
2.4	General Project Location	18
2.5	Project Siting Criteria	19
2.6	Project Construction.....	24
2.7	Operations and Maintenance.....	32
2.8	Decommissioning and Closure Plans	33
2.9	Required Reviews, Approvals and Applicable Regulatory Programs.....	36
2.10	Public and Agency Involvement	37
3.0	EXISTING CONDITIONS, POTENTIAL IMPACTS, AND MITIGATION MEASURES	42
3.1	Topography, Geology, and Soils.....	43
3.2	Water Resources	53
3.3	Biological Resources	68
3.4	Climate and Air Quality	110
3.5	Visual and Aesthetic Resources	113
3.6	Sound	132
3.7	Transportation.....	141
3.8	Socioeconomics.....	150
3.9	Public Safety	163
3.10	Community Facilities and Services.....	175
3.11	Communication Facilities	182
3.12	Land Use and Zoning	187
4.0	UNAVOIDABLE ADVERSE IMPACTS	195
4.1	General Avoidance and Mitigation Measures	196
4.2	Specific Mitigation Measures	198
4.3	Environmental Compliance and Monitoring Program.....	198
5.0	ALTERNATIVES ANALYSIS	200
5.1	SEQRA ALTERNATIVES ANALYSIS REQUIREMENTS	200
5.2	ALTERNATIVE PROJECT SITE.....	203
5.3	Alternative Project Design.....	204
5.4	Alternative Technologies.....	213
5.5	Alternative Construction Phasing	214
5.6	No Action	214
6.0	IRREVERSIBLE AND IRRETRIEVABLE COMMITMENT OF RESOURCES	216
7.0	GROWTH INDUCING IMPACTS.....	218
8.0	CUMULATIVE IMPACTS	219
8.1	Existing Projects	219
8.2	Proposed or Future Projects	219
8.3	Potential Cumulative Effects	222
9.0	EFFECTS ON USE AND CONSERVATION OF ENERGY RESOURCES.....	229
10.0	REFERENCES.....	232