

## TABLE OF CONTENTS

<b>EXECUTIVE SUMMARY .....</b>	<b>ES-1</b>
<b>ACRONYMS &amp; ABBREVIATIONS .....</b>	<b>A&amp;A-1</b>
<b>1 INTRODUCTION .....</b>	<b>1-1</b>
1.1 LEAD AND COOPERATING AGENCIES .....	1-1
1.2 PURPOSE AND NEED.....	1-2
1.3 BACKGROUND .....	1-2
1.3.1 Wellton-Mohawk Division Facilities.....	1-3
1.3.2 Wellton-Mohawk Division Lands .....	1-3
1.4 TITLE TRANSFER PROCESS .....	1-3
1.5 SCOPE OF THIS EIS.....	1-4
1.5.1 Public Involvement/Scoping Process.....	1-4
1.6 ONGOING ACTIVITIES AND RELATED ACTIONS .....	1-5
1.6.1 Operation and Maintenance of the Irrigation System.....	1-5
1.6.2 Operation and Maintenance of the Gila River Flood Channel.....	1-7
1.6.3 Power Supply and Distribution .....	1-7
1.6.4 Agency Land Management Activities .....	1-8
1.6.5 Dome Valley Partners Wellton-Mohawk Generating Facility.....	1-9
1.7 DOCUMENTS INCORPORATED BY REFERENCE .....	1-9
1.7.1 Environmental Documents.....	1-10
1.7.2 Contracts .....	1-10
1.7.3 Public Laws .....	1-11
1.8 OTHER AGENCIES WHO MAY USE THIS DOCUMENT.....	1-12
<b>2 DESCRIPTION OF ALTERNATIVES.....</b>	<b>2-1</b>
2.1 NO ACTION ALTERNATIVE.....	2-1
2.1.1 Facilities .....	2-1
2.1.2 Reclamation Lands .....	2-1
2.1.3 Future Management and Operation .....	2-1
2.2 PROPOSED ACTION/PREFERRED ALTERNATIVE .....	2-3
2.2.1 Facilities to be Transferred.....	2-3
2.2.2 Lands to be Transferred or Made Available for Purchase .....	2-3
2.2.2.1 <i>Rights-of -Way and Easements for Facilities</i> .....	2-4
2.2.2.2 <i>Lands and Rights-of-Way Acquired from GVPD and MMWCD</i> .....	2-4
2.2.2.3 <i>Additional Land Acquired or Withdrawn by Reclamation</i> .....	2-5
2.2.3 Contractual Provisions for Title Transfer .....	2-6
2.2.4 Post-Title Transfer Operation and Maintenance .....	2-6
2.2.5 Facilities and Lands Not Proposed for Transfer.....	2-7
2.3 ALTERNATIVES CONSIDERED BUT ELIMINATED FROM ANALYSIS.....	2-7
2.3.1 Guarantee the Water Supply to the Cienega de Santa Clara.....	2-7
2.3.2 Retain Federal Ownership of Wetlands Habitat.....	2-7

2.3.3	Include a Water Supply Management Component.....	2-8
2.4	SUMMARY TABLE OF IMPACTS.....	2-8
<b>3</b>	<b>AFFECTED ENVIRONMENT AND ENVIRONMENTAL CONSEQUENCES.</b>	<b>3-1</b>
3.1	FUTURE LAND USE ASSUMPTIONS AND APPROACH TO RESOURCE ANALYSES.....	3-1
3.1.1	Project Area of Effect .....	3-1
3.1.2	Future Land Use Assumptions .....	3-1
3.1.2.1	<i>Future Use of Facilities and Rights-of-Way</i> .....	3-2
3.1.2.2	<i>Potential Uses of Other Lands to be Acquired</i> .....	3-3
3.1.3	Approach to Resource Analyses.....	3-3
3.1.4	Resources Not Analyzed in Detail.....	3-4
3.1.4.1	<i>Noise</i> .....	3-4
3.1.4.2	<i>Yuma-Transboundary Water Management</i> .....	3-4
3.1.4.3	<i>Visual Resources</i> .....	3-4
3.2	LAND RESOURCES AND USE.....	3-5
3.2.1	Affected Environment.....	3-5
3.2.1.1	<i>Land Ownership</i> .....	3-5
3.2.1.2	<i>Land Use Planning</i> .....	3-6
3.2.2	Impact Assessment Methodology.....	3-7
3.2.3	Impacts and Mitigation .....	3-7
3.2.3.1	<i>No Action Alternative</i> .....	3-7
3.2.3.2	<i>Proposed Action/Preferred Alternative</i> .....	3-8
3.3	GEOLOGIC RESOURCES .....	3-10
3.3.1	Affected Environment.....	3-10
3.3.2	Impact Assessment Methodology.....	3-12
3.3.3	Impacts and Mitigation .....	3-12
3.3.3.1	<i>No Action Alternative</i> .....	3-12
3.3.3.2	<i>Proposed Action/Preferred Alternative</i> .....	3-12
3.4	SOIL RESOURCES .....	3-12
3.4.1	Affected Environment.....	3-12
3.4.2	Impact Assessment Methodology.....	3-13
3.4.3	Impacts and Mitigation .....	3-14
3.4.3.1	<i>No Action Alternative</i> .....	3-14
3.4.3.2	<i>Proposed Action/Preferred Alternative</i> .....	3-14
3.5	WATER RESOURCES.....	3-14
3.5.1	Affected Environment.....	3-14
3.5.2	Colorado River Water .....	3-16
3.5.3	Natural Occurrence of Surface Water and Groundwater.....	3-16
3.5.4	Domestic Water Supply .....	3-18
3.5.5	Water Quality .....	3-18
3.5.6	Impact Assessment Methodology.....	3-19
3.5.7	Impacts and Mitigation .....	3-19
3.5.7.1	<i>No Action Alternative</i> .....	3-19

3.5.7.2	<i>Proposed Action/Preferred Alternative</i> .....	3-19
3.6	BIOLOGICAL RESOURCES.....	3-19
3.6.1	Affected Environment.....	3-20
3.6.1.1	<i>Vegetation and Land Cover</i> .....	3-20
3.6.1.2	<i>Federal and State Listed Special-Status Species</i> .....	3-23
3.6.2	Impact Assessment Methodology.....	3-27
3.6.3	Impacts and Mitigation .....	3-27
3.6.3.1	<i>No Action Alternative</i> .....	3-27
3.6.3.2	<i>Proposed Action/Preferred Alternative</i> .....	3-27
3.7	CULTURAL RESOURCES.....	3-30
3.7.1	Affected Environment.....	3-30
3.7.1.1	<i>Historical Context</i> .....	3-30
3.7.1.2	<i>Archeological Research Conducted in the Past</i> .....	3-30
3.7.2	Impact Assessment Methodology.....	3-32
3.7.2.1	<i>Data Collection Process</i> .....	3-33
3.7.2.2	<i>Results of Literature Review and Site File Search</i> .....	3-33
3.7.2.3	<i>Native American Consultation</i> .....	3-35
3.7.2.4	<i>Historic Period Properties and Structures</i> .....	3-36
3.7.3	Impacts and Mitigation .....	3-36
3.7.3.1	<i>No Action Alternative</i> .....	3-36
3.7.3.2	<i>Proposed Action/Preferred Alternative</i> .....	3-37
3.8	SOCIOECONOMIC ANALYSIS .....	3-38
3.8.1	Affected Environment.....	3-38
3.8.1.1	<i>Population and Employment</i> .....	3-38
3.8.1.2	<i>Property Values and Tax Revenue</i> .....	3-41
3.8.2	Impact Assessment Methodology.....	3-42
3.8.3	Impacts and Mitigation .....	3-42
3.8.3.1	<i>No Action Alternative</i> .....	3-42
3.8.3.2	<i>Proposed Action/Preferred Alternative</i> .....	3-43
3.9	PUBLIC HEALTH AND SAFETY .....	3-44
3.9.1	Affected Environment.....	3-44
3.9.1.1	<i>Hazardous Materials</i> .....	3-44
3.9.1.2	<i>Flood Hazards</i> .....	3-46
3.9.1.3	<i>Vehicular and Water Hazards</i> .....	3-46
3.9.1.4	<i>Vector and Disease Control</i> .....	3-46
3.9.2	Impact Assessment Methodology.....	3-47
3.9.3	Impacts and Mitigation .....	3-47
3.9.3.1	<i>No Action Alternative</i> .....	3-47
3.9.3.2	<i>Proposed Action/Preferred Alternative</i> .....	3-47
3.10	AIR QUALITY.....	3-47
3.10.1	Affected Environment.....	3-47
3.10.2	Impact Assessment Methodology.....	3-48
3.10.3	Impacts and Mitigation .....	3-48

3.10.3.1	<i>No Action Alternative</i> .....	3-48
3.10.3.2	<i>Proposed Action/Preferred Alternative</i> .....	3-48
3.11	TRANSPORTATION.....	3-49
3.11.1	Affected Environment.....	3-49
3.11.2	Impacts and Mitigation .....	3-50
3.11.2.1	<i>No Action Alternative</i> .....	3-50
3.11.2.2	<i>Proposed Action/Preferred Alternative</i> .....	3-50
3.12	RECREATION .....	3-50
3.12.1	Affected Environment.....	3-50
3.12.2	Impacts and Mitigation .....	3-52
3.12.2.1	<i>No Action Alternative</i> .....	3-52
3.12.2.2	<i>Proposed Action/Preferred Alternative</i> .....	3-52
3.13	INDIAN TRUST ASSETS .....	3-52
3.14	ENVIRONMENTAL JUSTICE .....	3-53
3.14.1	Affected Environment.....	3-53
3.14.2	Impact Assessment Methodology.....	3-53
3.14.3	Impacts and Mitigation .....	3-54
3.14.3.1	<i>No Action Alternative</i> .....	3-54
3.14.3.2	<i>Proposed Action/Preferred Alternative</i> .....	3-54
<b>4</b>	<b>OTHER NEPA CONSIDERATIONS</b> .....	<b>4-1</b>
4.1	INTRODUCTION.....	4-1
4.2	CUMULATIVE IMPACTS .....	4-1
4.3	SHORT-TERM USES OF THE ENVIRONMENT AND LONG-TERM PRODUCTIVITY .....	4-2
4.4	IRREVERSIBLE AND IRRETRIEVABLE COMMITMENTS OF RESOURCES.....	4-3
<b>5</b>	<b>CONSULTATION AND COORDINATION</b> .....	<b>5-1</b>
5.1	PROJECT SCOPING.....	5-1
5.2	FEDERAL AGENCY COORDINATION .....	5-1
5.2.1	U.S. Fish and Wildlife Service.....	5-1
5.2.2	Bureau of Land Management .....	5-2
5.2.3	National Historic Preservation Act Compliance .....	5-2
5.3	TRIBAL CONSULTATION .....	5-3
5.4	STATE AGENCY COORDINATION.....	5-5
5.4.1	Arizona Game and Fish Department .....	5-5
5.4.2	Arizona State Historic Preservation Office.....	5-5
5.5	NON-GOVERNMENTAL ORGANIZATION AND GENERAL PUBLIC COORDINATION.....	5-5
5.6	WELLTON-MOHAWK IRRIGATION AND DRAINAGE DISTRICT COOPERATION .....	5-6
	<b>GLOSSARY</b> .....	<b>GL-1</b>
	<b>LIST OF PREPARERS</b> .....	<b>LP-1</b>
	<b>REFERENCES</b> .....	<b>RL-1</b>
	<b>INDEX</b> .....	<b>Index-1</b>

**LIST OF TABLES**

Table 1-1 Summary of Issues Raised in Public Scoping Comments ..... 1-6

Table 2-1 Facilities to be Transferred to the District..... 2-2

Table 2-2 Lands Included in Wellton-Mohawk Title Transfer ..... 2-5

Table 2-3 Summary of Impacts..... 2-9

Table 3-1 Areas of Various Cover Types on Vacant and Gila River Flood Channel  
Lands ..... 3-21

Table 3-2 Federal Listed Species Potentially Occurring in Yuma County..... 3-24

Table 3-3 Estimated Area of Existing Human Disturbance..... 3-28

Table 3-4 Types of Cultural Resources ..... 3-34

Table 3-5 County and Community Populations and Racial Composition..... 3-39

Table 3-6 Yuma County Population Composition ..... 3-40

Table 3-7 Population Growth Trends ..... 3-40

Table 3-8 Yuma County – 2001 Employment by Sector..... 3-40

Table 3-9 Civilian Labor Force - 2001 ..... 3-41

Table 5-1 Indian Tribes and Communities Coordination ..... 5-4

**LIST OF FIGURES**

Figure 3-1 Conceptual Model of Water Resources Elements ..... 3-15

**LIST OF MAPS**

Map 1-1 Location Map..... 1-2

Map 1-2 Proposed Location of the Wellton-Mohawk Generating Facility ..... 1-4

Map 2-1 Facilities Proposed for Transfer ..... 2-2

Map 2-2 Lands Proposed for Transfer or Purchase ..... 2-6

Map 3-1 Irrigable Acreage ..... 3-14

Map 3-2 Biological Habitat Distribution ..... 3-20

*Follows Page*

**LIST OF APPENDICES**

Appendix A .....Wellton-Mohawk Transfer Act and Memorandum of Agreement  
Appendix B ..... Comment Letters Received During Scoping Period  
Appendix C .....Detailed Maps of Lands  
Appendix D ..... Categorization of Wellton-Mohawk Division Lands  
Appendix E ..... Land Use Evaluation  
Appendix F ..... Correspondence with U. S. Fish and Wildlife Service and  
Arizona Game and Fish Department  
Appendix G ..... Correspondence with Indian Tribes and Communities  
Appendix H ..... Public Notices of Scoping Process