

APPENDIX A

KEOWEE-TOXAWAY WATER SUPPLY STUDY

APPENDIX C

WITHDRAWAL AND RETURN SUMMARY SHEETS

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Savannah River Basin Water Use Projections: Withdrawals

Proj ID	Entity	Source Water	Historical Water Use (MGD)						Projected Water Use (MGD)							
			2005	2006	2007	2008	2009	2010	BASE	2016	2026	2036	2046	2056	2066	
BAD CREEK DAM																
	<u>Public Water/ Wastewater Utilities</u>															
	None															
	<u>Industrial</u>															
AWI-1	New Future Industry--n/a	n/a	--	--	--	--	--	--	0.0	0.0	0.2	0.3	0.3	0.4	0.4	0.5
	<u>Power</u>															
	None															
	<u>Agricultural/Irrigation</u>															
BWA-1	Agriculture-Irrigation Demand--n/a	n/a	--	0.0	--	--	--	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BAD CREEK DAM TOTAL FLOW			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.3	0.4	0.4	0.5

Savannah River Basin Water Use Projections: Withdrawals

Proj ID	Entity	Source Water	Historical Water Use (MGD)						Projected Water Use (MGD)							
			2005	2006	2007	2008	2009	2010	BASE	2016	2026	2036	2046	2056	2066	
JOCASSEE DAM																
	<u>Public Water/ Wastewater Utilities</u>															
	None															
	<u>Industrial</u>															
JWI-1	New Future Industry--n/a	n/a	--	--	--	--	--	--	0.0	0.0	0.2	0.3	0.3	0.4	0.4	0.5
	<u>Power</u>															
	None															
	<u>Agricultural/Irrigation</u>															
JWA-1	Agriculture-Irrigation Demand--n/a	n/a	--	4.7	--	--	--	--	--	4.7	4.7	4.7	4.7	4.7	4.7	4.7
JOCASSEE DAM TOTAL FLOW			0.0	4.7	0.0	0.0	0.0	0.0	0.0	4.7	4.9	4.9	5.0	5.0	5.1	5.1

Savannah River Basin Water Use Projections: Withdrawals

Proj ID	Entity	Source Water	Historical Water Use (MGD)						Projected Water Use (MGD)						
			2005	2006	2007	2008	2009	2010	BASE	2016	2026	2036	2046	2056	2066
KEOWEE DAM															
<u>Public Water/ Wastewater Utilities</u>															
KWS-1	Greenville Water----Witty Adkins WTP	n/a	19.2	20.0	21.9	32.4	28.6	33.8	33.4	40.2	52.2	65.0	78.6	91.7	106.7
KWS-2	City of Seneca-----Seneca City WTP	n/a	5.8	6.6	6.9	6.7	6.2	6.7	6.5	7.1	9.5	12.1	13.0	13.9	15.0
<u>Industrial</u>															
KWI-1	New Future Industry--n/a	n/a	--	--	--	--	--	0.0	0.0	0.2	0.3	0.3	0.4	0.4	0.5
<u>Power</u>															
KWS-3	Duke Energy----Oconee Nuclear Station	n/a	n/a	27.7	28.4	28.2	28.5	24.5	24.5	27.4	27.4	36.0	36.0	36.0	36.0
<u>Agricultural/Irrigation</u>															
KWA-1	Agriculture-Irrigation Demand--n/a	n/a	--	1.3	--	--	--	--	1.3	1.3	1.3	1.3	1.3	1.3	1.3
KEOWEE DAM TOTAL FLOW			25.1	55.5	57.3	67.3	63.4	65.0	65.6	76.2	90.7	114.7	129.2	143.3	159.5

Savannah River Basin Water Use Projections: Withdrawals

Proj ID	Entity	Source Water	Historical Water Use (MGD)						Projected Water Use (MGD)						
			2005	2006	2007	2008	2009	2010	BASE	2016	2026	2036	2046	2056	2066
HARTWELL DAM															
<u>Public Water/ Wastewater Utilities</u>															
HWS-1	Anderson Regional Joint Water System---Hartwell Lake Filter Plant	n/a	18.8	19.4	20.9	17.7	18.3	17.7	17.7	31.4	38.4	42.3	46.6	50.5	54.8
HWS-2	Easley Central Water District---Central WTP	¼ mile upstream of the Norris Highway (Hwy 137) bridge	1.6	1.7	1.3	1.1	0.9	0.9	0.9	1.0	1.1	1.2	1.3	1.4	1.5
HWS-3	City of Pickens---City of Pickens WTP	n/a	1.7	1.7	1.8	1.6	1.8	1.5	1.5	1.6	1.8	2.0	2.2	2.4	2.6
HWS-4	City of Walhalla---Walhalla City WTP	n/a	1.6	1.6	1.7	1.7	1.7	1.7	1.7	1.2	0.6	0.0	0.0	0.0	0.0
HWS-5	City of Westminster--n/a	Chauga River	2.4	2.5	2.5	2.2	1.8	1.6	1.6	1.6	1.0	1.0	1.0	1.1	1.1
HWG-6	Rabun County Water and Sewer Authority--n/a	n/a	1.5	1.4	1.4	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
HWG-7	City of Hartwell---Hartwell WTP	n/a	1.0	1.1	1.1	0.9	0.9	1.0	1.0	1.1	1.3	1.6	1.8	2.2	2.5
HWG-8	City of Lavonia--n/a	n/a	1.4	1.6	1.5	1.5	1.4	1.5	1.5	1.7	2.2	2.8	3.5	4.5	5.7
HWG-9	City of Toccoa---Toccoa WTF	n/a	3.7	4.0	3.8	3.6	3.3	n/a	3.3	3.5	3.9	4.3	4.8	5.4	6.1
HWS-12	Pointe West LLC--n/a	n/a	1.4	1.4	0.1	0.0	0.0	n/a	0.0	0.0	1.0	1.0	1.0	1.0	1.0
<u>Industrial</u>															
HWS-10	Milliken & Company---Pendleton Finishing Plant	n/a	n/a	0.7	0.6	0.8	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
HWS-11	Mt. Vernon Mills, Inc.---La France Plant	n/a	n/a	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
HWS-13	Shaw Industries, Inc.---Clemson Plant	n/a	0.4	0.4	0.4	0.3	0.3	n/a	0.3	0.3	0.4	0.5	0.6	0.7	0.9
HWS-14	Vulcan Materials Company---Liberty Quarry	n/a	n/a	0.0	0.0	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
HWI-1	New Future Industry--n/a	n/a	--	--	--	--	--	0.0	0.0	0.2	0.3	0.3	0.4	0.4	0.5
<u>Power</u>															
HWS-15	Clemson University---Central Energy Facility	n/a	n/a	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
HWP-1	New Future Power--n/a	n/a	--	--	--	--	--	0.0	0.0	0.0	0.0	9.7	9.7	9.7	9.7
<u>Agricultural/Irrigation</u>															
HWA-1	Agriculture-Irrigation Demand--n/a	n/a	--	7.0	--	--	--	--	7.0	7.0	7.0	7.0	7.0	7.0	7.0
HARTWELL DAM TOTAL FLOW			35.3	44.7	37.1	N/A⁴	32.6	28.4	39.0	53.2	61.5	76.2	82.5	88.8	95.8

Savannah River Basin Water Use Projections: Withdrawals

Proj ID	Entity	Source Water	Historical Water Use (MGD)						Projected Water Use (MGD)							
			2005	2006	2007	2008	2009	2010	BASE	2016	2026	2036	2046	2056	2066	
RUSSELL DAM																
<u>Public Water/ Wastewater Utilities</u>																
LWS-1	City of Abbeville----	Abbeville City WTP	n/a	2.5	2.4	2.3	2.0	1.8	n/a	2.0	2.0	2.2	2.3	2.4	2.5	2.6
LWG-2	City of Elberton----	Elberton Water Treatment Plant	n/a	1.7	1.7	1.7	1.5	1.4	n/a	1.5	1.6	1.7	1.9	2.0	2.1	2.3
<u>Industrial</u>																
LWS-3	Mohawk Industries, Inc.----	Rocky River Plant	n/a	n/a	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
LWI-1	New Future Industry--	n/a	n/a	--	--	--	--	--	0.0	0.0	0.2	0.3	0.3	0.4	0.4	0.5
<u>Power</u>																
LWS-4	Santee Cooper----	John Rainey Generating Station	n/a	n/a	0.8	0.5	0.4	1.2	1.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
LWP-1	New Future Power--	n/a	n/a	--	--	--	--	--	0.0	0.0	0.0	9.7	9.7	9.7	9.7	9.7
LWP-2	New Future Power--	n/a	n/a	--	--	--	--	--	0.0	0.0	0.0	0.0	0.0	0.0	9.7	9.7
<u>Agricultural/Irrigation</u>																
LWA-1	Agriculture-Irrigation Demand--	n/a	n/a	--	2.0	--	--	--	--	2.0	2.0	2.0	2.0	2.0	2.0	2.0
RUSSELL DAM TOTAL FLOW				4.2	7.1	4.7	N/A⁴	4.6	1.6	6.6	6.9	17.0	17.2	17.5	27.6	27.9

Savannah River Basin Water Use Projections: Withdrawals

Proj ID	Entity	Source Water	Historical Water Use (MGD)						Projected Water Use (MGD)						
			2005	2006	2007	2008	2009	2010	BASE	2016	2026	2036	2046	2056	2066
THURMOND DAM															
<u>Public Water/ Wastewater Utilities</u>															
TWS-1	McCormick Commission of Public Works----McCormick WTP	n/a	1.1	1.2	1.3	1.2	1.1	1.1	1.1	1.2	1.3	1.5	1.6	1.8	1.9
TWG-2	Banks County Board of Commissioners--n/a	n/a	0.6	0.7	0.7	0.6	0.6	0.7	0.7	0.8	0.9	1.1	1.4	1.7	2.0
TWG-3	Columbia County Water Utility----Clarks Hill WTP	n/a	1.8	1.9	2.4	2.6	2.6	3.2	3.3	3.9	5.1	6.6	8.5	10.9	13.8
TWG-4	City of Commerce----Commerce WTF	n/a	1.3	1.6	1.8	1.6	1.7	1.7	1.7	1.8	1.9	2.1	2.2	2.3	2.4
TWG-5	City of Crawford--n/a	n/a	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.4	0.6
TWG-6	City of Lincolnton----James Allen Reed WTP	n/a	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.8	0.9	1.0
TWG-7	City of Royston--n/a	n/a	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.5	0.6	0.8
TWG-8	McDuffie County-City of Thomson Water & Sewer Commission----Big Creek	Clarks Hill Reservoir (Thurmond Reservoir)	1.7	1.5	1.6	1.3	1.3	1.5	1.5	1.7	2.0	2.3	2.7	3.2	3.7
TWG-9	City of Union--n/a	n/a	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.4	0.4	0.6	0.7
TWG-10	Wilkes County----Clarks Hill WTF	n/a	0.5	0.6	0.6	0.7	0.7	0.9	0.9	0.9	0.9	0.9	0.9	1.0	1.0
TWG-11	Wilkes County----Old Plant WTF	n/a	0.6	0.4	0.4	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
<u>Industrial</u>															
TWG-12	Broad River Sand Company----Broad River Site	n/a	n/a	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TWI-1	New Future Industry--n/a	n/a	--	--	--	--	--	0.0	0.0	0.2	0.3	0.3	0.4	0.4	0.5
<u>Power</u>															
TWP-1	New Future Power--n/a	n/a	--	--	--	--	--	0.0	0.0	0.0	9.7	9.7	9.7	9.7	9.7
TWP-2	New Future Power--n/a	n/a	--	--	--	--	--	0.0	0.0	0.0	0.0	0.0	0.0	9.7	9.7
<u>Agricultural/Irrigation</u>															
TWA-1	Agriculture-Irrigation Demand--n/a	n/a	--	11.9	--	--	--	--	11.9	11.9	11.9	11.9	11.9	11.9	11.9
THURMOND DAM TOTAL FLOW			8.5	10.5	9.9	N/A⁴	9.3	10.3	22.2	23.6	35.5	38.2	41.4	55.1	59.9

Savannah River Basin Water Use Projections: Withdrawals

Proj ID	Entity	Source Water	Historical Water Use (MGD)						Projected Water Use (MGD)						
			2005	2006	2007	2008	2009	2010	BASE	2016	2026	2036	2046	2056	2066
WOODLAWN															
	<u>Public Water/ Wastewater Utilities</u>														
	None														
	<u>Industrial</u>														
WWI-1	New Future Industry--n/a	n/a	--	--	--	--	--	0.0	0.0	0.2	0.3	0.3	0.4	0.4	0.5
	<u>Power</u>														
WWP-1	New Future Power--n/a	n/a	--	--	--	--	--	0.0	0.0	0.0	0.0	9.7	9.7	9.7	
	<u>Agricultural/Irrigation</u>														
WWA-1	Agriculture-Irrigation Demand--n/a	n/a	--	2.3	--	--	--	--	2.3	2.3	2.3	2.3	2.3	2.3	2.3
WOODLAWN TOTAL FLOW			0.0	2.3	0.0	0.0	0.0	0.0	2.3	2.5	2.5	2.6	12.3	12.4	12.5

Savannah River Basin Water Use Projections: Withdrawals

Proj ID	Entity	Source Water	Historical Water Use (MGD)						Projected Water Use (MGD)						
			2005	2006	2007	2008	2009	2010	BASE	2016	2026	2036	2046	2056	2066
STEVENS CREEK															
<u>Public Water/ Wastewater Utilities</u>															
SWS-1	Edgefield County Water & Sewer Authority--n/a	n/a	4.0	4.5	4.7	4.7	4.3	4.7	4.7	5.0	5.6	6.3	7.0	7.9	8.8
<u>Industrial</u>															
SWI-1	New Future Industry--n/a	n/a	--	--	--	--	--	0.0	0.0	0.2	0.3	0.3	0.4	0.4	0.5
<u>Power</u>															
SWP-1	New Future Power--n/a	n/a	--	--	--	--	--	0.0	0.0	0.0	0.0	0.0	9.7	9.7	9.7
<u>Agricultural/Irrigation</u>															
SWA-1	Agriculture-Irrigation Demand--n/a	n/a	--	9.1	--	--	--	--	9.1	9.1	9.1	9.1	9.1	9.1	9.1
STEVENS CREEK TOTAL FLOW			4.0	13.6	4.7	4.7	4.3	4.7	13.8	14.3	14.9	15.7	26.2	27.1	28.1

Savannah River Basin Water Use Projections: Withdrawals

Proj ID	Entity	Source Water	Historical Water Use (MGD)						Projected Water Use (MGD)							
			2005	2006	2007	2008	2009	2010	BASE	2016	2026	2036	2046	2056	2066	
NORTH AUGUSTA																
<u>Public Water/ Wastewater Utilities</u>																
NWS-1	City of North Augusta----	North Augusta City WTP	n/a	3.7	4.4	4.5	4.2	3.8	n/a	3.8	12.5	25.0	26.7	28.4	30.2	31.9
NWG-2	Richmond County-City of Augusta Utilities Department----	Hicks Treatment Plant	n/a	n/a	9.0	8.4	8.6	8.3	8.5	8.5	8.9	9.7	10.4	11.1	11.9	12.6
NWG-3	Columbia County Water Utility----	Jim Blanchard WTP	n/a	10.6	12.0	13.3	13.1	11.4	12.9	12.8	15.1	19.8	25.7	33.0	42.2	53.6
<u>Industrial</u>																
NWI-1	New Future Industry--	n/a	n/a	--	--	--	--	--	0.0	0.0	0.2	0.3	0.3	0.4	0.4	0.5
<u>Power</u>																
None																
<u>Agricultural/Irrigation</u>																
NWA-1	Agriculture-Irrigation Demand--	n/a	n/a	--	0.3	--	--	--	--	0.3	0.3	0.3	0.3	0.3	0.3	0.3
NORTH AUGUSTA TOTAL FLOW				14.3	25.7	26.2	N/A⁴	23.5	21.4	25.3	37.1	55.0	63.4	73.2	84.9	98.9

Savannah River Basin Water Use Projections: Withdrawals

Proj ID	Entity	Source Water	Historical Water Use (MGD)						Projected Water Use (MGD)							
			2005	2006	2007	2008	2009	2010	BASE	2016	2026	2036	2046	2056	2066	
AUGUSTA CANAL DIVERSION																
	<u>Public Water/ Wastewater Utilities</u>															
	None															
	<u>Industrial</u>															
DWI-1	New Future Industry--n/a	n/a	--	--	--	--	--	--	0.0	0.0	0.2	0.3	0.3	0.4	0.4	0.5
	<u>Power</u>															
	None															
	<u>Agricultural/Irrigation</u>															
DWA-1	Agriculture-Irrigation Demand--n/a	n/a	--	0.0	--	--	--	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AUGUSTA CANAL DIVERSION TOTAL FLOW			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.3	0.4	0.4	0.5

Savannah River Basin Water Use Projections: Withdrawals

Proj ID	Entity	Source Water	Historical Water Use (MGD)						Projected Water Use (MGD)						
			2005	2006	2007	2008	2009	2010	BASE	2016	2026	2036	2046	2056	2066
AUGUSTA CANAL DIVERSION RETURN															
		<u>Public Water/ Wastewater Utilities</u>													
RWG-1	Richmond County-City of Augusta Utilities Department----Highland Avenue Filtration Plant	n/a	29.7	29.6	30.3	31.1	27.5	28.2	28.2	29.3	31.2	33.1	35.0	36.9	38.8
		<u>Industrial</u>													
RWG-2	Avondale Mills, Inc.----Sibley Plant	n/a	0.5	-	n/a	n/a	n/a	n/a	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RWI-1	New Future Industry--n/a	n/a	--	--	--	--	--	0.0	0.0	0.2	0.3	0.3	0.4	0.4	0.5
		<u>Power</u>													
		None													
		<u>Agricultural/Irrigation</u>													
RWA-1	Agriculture-Irrigation Demand--n/a	n/a	--	0.5	--	--	--	--	0.5	0.5	0.5	0.5	0.5	0.5	0.5
AUGUSTA CANAL DIVERSION RETURN TOTAL FLOW			30.2	30.1	30.3	N/A⁴	27.5	28.2	28.7	30.0	32.0	33.9	35.9	37.8	39.8

Savannah River Basin Water Use Projections: Withdrawals

Proj ID	Entity	Source Water	Historical Water Use (MGD)						Projected Water Use (MGD)					
			2005	2006	2007	2008	2009	2010	BASE	2016	2026	2036	2046	2056
AUGUSTA														
	<u>Public Water/ Wastewater Utilities</u>													
	None													
	<u>Industrial</u>													
AWS-1	Avondale Mills, Inc.---Graniteville Plant	n/a	0.4	-	n/a	n/a	n/a	n/a	0.0	0.0	0.0	0.0	0.0	0.0
AWG-2	DSM Chemicals, Inc.---Augusta Plant	n/a	n/a	3.5	4.7	4.9	4.0	5.5	4.5	4.5	4.5	4.5	4.5	4.5
AWG-3	General Chemical Corporation---Augusta Plant	n/a	n/a	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
AWG-4	PCS Nitrogen Fertilizer--n/a	n/a	4.7	3.4	2.2	n/a	n/a	0.0	4.7	4.7	4.7	4.7	4.7	4.7
AWI-1	New Future Industry--n/a	n/a	--	--	--	--	--	0.0	0.0	0.2	0.3	0.3	0.4	0.4
	<u>Power</u>													
AWS-5	South Carolina Electric & Gas---Urquhart Station	n/a	n/a	46.8	52.2	42.6	55.0	52.9	49.9	49.9	49.9	49.9	49.9	49.9
AWP-1	New Future Power--n/a	n/a	--	--	--	--	--	0.0	0.0	0.0	9.7	9.7	9.7	9.7
	<u>Agricultural/Irrigation</u>													
AWA-1	Agriculture-Irrigation Demand--n/a	n/a	--	0.9	--	--	--	--	0.9	0.9	0.9	0.9	0.9	0.9
AUGUSTA TOTAL FLOW			5.1	54.7	59.3	N/A⁴	59.2	58.5	60.2	60.4	70.1	70.2	70.2	70.3

Savannah River Basin Water Use Projections: Withdrawals

Proj ID	Entity	Source Water	Historical Water Use (MGD)							Projected Water Use (MGD)						
			2005	2006	2007	2008	2009	2010	BASE	2016	2026	2036	2046	2056	2066	
GIRARD																
<u>Public Water/ Wastewater Utilities</u>																
GWG-1	US Army----Fort Gordon	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
GWG-2	US Army----Fort Gordon	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
<u>Industrial</u>																
GWS-3	Savannah River Nuclear Solutions----Savannah River Site	n/a	n/a	2.9	8.2	7.7	7.6	7.2	7.2	17.2	17.2	17.2	17.2	17.2	17.2	
GWG-4	International Paper Company----Augusta Plant	n/a	53.8	52.9	52.5	n/a	n/a	n/a	52.5	53.4	54.4	55.4	56.4	57.4	58.5	
GWI-1	New Future Industry--n/a	n/a	--	--	--	--	--	0.0	0.0	0.2	0.3	0.3	0.4	0.4	0.5	
<u>Power</u>																
GWS-5	Savannah River Nuclear Solutions----D-Area Powerhouse	n/a	n/a	1.6	0.3	1.5	2.6	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	
GWS-6	Ameresco----G-Area Biogenerator	n/a	n/a	-	-	-	-	-	8.8	8.8	8.8	8.8	8.8	8.8	8.8	
GWG-7	Georgia Power----Vogtle Nuclear Power Plant	n/a	n/a	43.0	43.0	43.0	43.0	43.0	43.0	83.0	83.0	83.0	83.0	83.0	83.0	
<u>Agricultural/Irrigation</u>																
GWA-1	Agriculture-Irrigation Demand--n/a	n/a	--	4.6	--	--	--	--	4.6	4.6	4.6	4.6	4.6	4.6	4.6	
GIRARD TOTAL FLOW			53.8	105.0	104.1	N/A⁴	53.2	50.7	116.6	167.3	168.3	169.3	170.4	171.4	172.6	

Savannah River Basin Water Use Projections: Withdrawals

Proj ID	Entity	Source Water	Historical Water Use (MGD)						Projected Water Use (MGD)						
			2005	2006	2007	2008	2009	2010	BASE	2016	2026	2036	2046	2056	2066
MILLHAVEN															
	<u>Public Water/ Wastewater Utilities</u>														
	None														
	<u>Industrial</u>														
MWI-1	New Future Industry--n/a	n/a	--	--	--	--	--	0.0	0.0	0.2	0.3	0.3	0.4	0.4	0.5
	<u>Power</u>														
MWP-1	New Future Power--n/a	n/a	--	--	--	--	--	0.0	0.0	0.0	0.0	0.0	9.7	9.7	9.7
	<u>Agricultural/Irrigation</u>														
MWA-1	Agriculture-Irrigation Demand--n/a	n/a	--	5.1	--	--	--	--	5.1	5.1	5.1	5.1	5.1	5.1	5.1
MILLHAVEN TOTAL FLOW			0.0	5.1	0.0	0.0	0.0	0.0	5.1	5.3	5.3	5.4	15.1	15.2	15.3

Savannah River Basin Water Use Projections: Withdrawals

Proj ID	Entity	Source Water	Historical Water Use (MGD)						Projected Water Use (MGD)						
			2005	2006	2007	2008	2009	2010	BASE	2016	2026	2036	2046	2056	2066
CLYO															
Public Water/ Wastewater Utilities															
CWG-1	McDuffie County-City of Thomson Water & Sewer Commission----	Usry's Lake	0.9	1.0	0.8	1.0	0.8	0.7	0.9	1.0	1.1	1.3	1.6	1.8	2.1
CWG-2	City of Waynesboro----	Waynesboro WTF	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.4	0.4	0.5	0.6
Industrial															
CWS-3	Sharp & Sharp Certified Seed--n/a	n/a	0.3	0.3	0.3	1.4	n/a	n/a	1.4	1.4	1.4	1.4	1.4	1.4	1.4
CWG-4	Kamin LLC (Formerly ECC International; Formerly JM Huber Corporation)- ---Wrens Plant	Brier Creek	0.6	1.2	1.0	0.8	0.8	n/a	0.4	0.4	0.4	0.4	0.4	0.4	0.4
CWG-5	Kamin LLC (Formerly ECC International; Formerly JM Huber Corporation)- ---Wrens Plant	Reedy Creek	3.4	3.2	2.7	2.5	2.9	n/a	3.2	3.2	3.2	3.2	3.2	3.2	3.2
CWI-1	New Future Industry--n/a	n/a	--	--	--	--	--	0.0	0.0	0.2	0.3	0.3	0.4	0.4	0.5
Power															
CWP-1	New Future Power--n/a	n/a	--	--	--	--	--	0.0	0.0	0.0	0.0	9.7	9.7	9.7	9.7
CWP-2	New Future Power--n/a	n/a	--	--	--	--	--	0.0	0.0	0.0	0.0	0.0	9.7	9.7	9.7
Agricultural/Irrigation															
CWA-1	Agriculture-Irrigation Demand--n/a	n/a	--	12.2	--	--	--	--	12.2	12.2	12.2	12.2	12.2	12.2	12.2
CLYO TOTAL FLOW			5.3	18.0	4.8	N/A⁴	4.7	0.7	18.1	18.6	18.9	28.9	38.9	39.4	39.9

Savannah River Basin Water Use Projections: Withdrawals

Proj ID	Entity	Source Water	Historical Water Use (MGD)						Projected Water Use (MGD)						
			2005	2006	2007	2008	2009	2010	BASE	2016	2026	2036	2046	2056	2066
BELOW CLYO															
Public Water/ Wastewater Utilities															
XWS-1	Beaufort-Jasper Water & Sewer Authority----Chelsea WTP & Purrysburg WTP	n/a	19.2	23.9	26.3	24.6	18.4	24.8	24.8	24.0	32.4	40.9	49.3	57.7	66.2
XWS-3	Water Oak Utility-----	n/a	0.3	0.4	0.4	0.4	0.3	0.4	0.4	0.5	0.6	0.6	0.7	0.9	1.0
XWG-4	City of Savannah----I & D Water Plant	n/a	34.3	32.9	31.7	30.3	29.3	32.5	32.5	35.9	41.4	47.0	52.6	58.1	63.7
Industrial															
XWG-5	Georgia Pacific Gypsum, LLC----Savannah River Mill	n/a	n/a	16.6	16.3	16.2	16.4	14.4	16.0	16.0	16.0	16.0	16.0	16.0	16.0
XWG-6	Weyerhaeuser Company----Port Wentworth Mill	n/a	n/a	n/a	12.8	13.1	13.4	13.4	13.4	13.6	13.8	14.1	14.3	14.6	14.9
XWI-1	New Future Industry--n/a	n/a	--	--	--	--	--	0.0	0.0	0.2	0.3	0.3	0.4	0.4	0.5
Power															
XWG-7	Georgia Power----McIntosh Plant	n/a	n/a	4.0	4.4	4.0	5.5	6.0	6.0	5.3	5.3	5.3	5.3	5.3	5.3
XWG-8	Georgia Power----Kraft Plant	n/a	n/a	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
XWP-1	New Future Power--n/a	n/a	--	--	--	--	--	0.0	0.0	0.0	9.7	9.7	9.7	9.7	9.7
XWP-2	New Future Power--n/a	n/a	--	--	--	--	--	0.0	0.0	0.0	0.0	0.0	0.0	9.7	9.7
Agricultural/Irrigation															
XWA-1	Agriculture-Irrigation Demand--n/a	n/a	--	0.3	--	--	--	--	0.3	0.3	0.3	0.3	0.3	0.3	0.3
BELOW CLYO TOTAL FLOW			N/A⁵	78.3	79.4	N/A⁴	83.3	91.7	93.6	95.8	119.9	134.2	148.6	172.7	187.2
GRAND TOTAL (ALL BASINS)			n/a	455.3	417.9	n/a	365.4	361.2	501.7	596.7	697.0	775.5	867.3	951.9	1,013.7

Savannah River Basin Water Use Projections: Returns

Proj ID	Entity	Receiving Water	Historical Water Use (MGD)						Projected Water Use (MGD)					
			2005	2006	2007	2008	2009	2010	BASE	2016	2026	2036	2046	2056
BAD CREEK DAM														
	<u>Public Water/ Wastewater Utilities</u>													
	None													
	<u>Industrial</u>													
	None													
BAD CREEK DAM TOTAL FLOW			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Savannah River Basin Water Use Projections: Returns

Proj ID	Entity	Receiving Water	Historical Water Use (MGD)						Projected Water Use (MGD)						
			2005	2006	2007	2008	2009	2010	BASE	2016	2026	2036	2046	2056	2066
JOCASSEE DAM															
	<u>Public Water/ Wastewater Utilities</u>														
	<i>None</i>														
	<u>Industrial</u>														
	<i>None</i>														
JOCASSEE DAM TOTAL FLOW			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Savannah River Basin Water Use Projections: Returns

Proj ID	Entity	Receiving Water	Historical Water Use (MGD)						Projected Water Use (MGD)						
			2005	2006	2007	2008	2009	2010	BASE	2016	2026	2036	2046	2056	2066
KEOWEE DAM															
<u>Public Water/ Wastewater Utilities</u>															
KRS-1	Keowee Key Utility Systems, Inc--n/a	n/a	-	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
KRS-2	Greenville Water----Witty Adkins WTP	Kelly Creek	0.8	0.9	0.8	1.2	1.3	1.3	1.3	1.6	2.1	2.7	3.2	3.8	4.4
KRS-3	City of Seneca----Seneca City WTP	n/a	-	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
<u>Industrial</u>															
None															
KEOWEE DAM TOTAL FLOW			0.8	1.2	1.2	1.6	1.5	1.5	1.5	1.9	2.4	3.0	3.6	4.1	4.7

Savannah River Basin Water Use Projections: Returns

Proj ID	Entity	Receiving Water	Historical Water Use (MGD)						Projected Water Use (MGD)						
			2005	2006	2007	2008	2009	2010	BASE	2016	2026	2036	2046	2056	2066
HARTWELL DAM															
<u>Public Water/ Wastewater Utilities</u>															
HRS-1	Anderson County Wastewater Management----Six & Twenty WWTP	6 & 20 creek	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.3
HRS-2	Chickasaw Utility Company----Chickasaw Pointe SD	n/a	0.1	0.1	0.1	0.1	0.0	n/a	0.1	0.1	0.1	0.1	0.1	0.1	0.1
HRS-3	Clemson University----Clemson University WWTF	n/a	0.7	0.6	0.6	0.6	0.5	0.6	0.5	0.6	0.7	0.7	0.8	0.8	0.9
HRS-4	City of Clemson----Cochran Road WWTP	n/a	0.6	0.6	0.6	n/a	n/a	n/a	0.7	0.8	1.0	1.4	1.9	2.5	3.3
HRS-5	Easley Combined Utilities----Golden Creek WWTP	n/a	0.1	0.3	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.3
HRS-6	Madera Utilities----Heatherwood WWTF	n/a	0.0	0.1	-	0.0	n/a	n/a	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HRS-7	Oconee Joint Regional Sewer Authority----Coneross Creek WWTF	n/a	2.7	2.6	2.3	2.2	2.6	2.7	2.7	2.6	2.9	3.0	2.5	2.7	2.8
HRS-8	Town of Pendleton----Clemson Regional WWTF	n/a	0.8	0.8	0.8	0.7	0.9	0.8	0.8	1.3	1.4	1.6	1.8	1.9	2.1
HRS-9	Pickens County Public Service Commission----Central North WWTP	n/a	0.1	0.1	0.1	n/a	n/a	n/a	0.1	0.1	0.1	0.1	0.1	0.1	0.1
HRS-10	Pickens County Public Service Commission----Eighteen Mile Creek Upper WWTP	n/a	0.3	0.3	0.3	n/a	n/a	n/a	0.3	0.4	0.4	0.4	0.5	0.6	0.6
HRS-11	Pickens County Public Service Commission----Middle Regional WWTF	n/a	0.3	0.3	0.3	n/a	n/a	n/a	0.3	0.3	0.3	0.4	0.4	0.5	0.5
HRS-12	Pickens County Public Service Commission----Liberty/Cramer WWTF	n/a	0.1	0.1	-	n/a	n/a	n/a	0.1	0.1	0.1	0.1	0.1	0.1	0.1
HRS-13	Pickens County Public Service Commission----Liberty/Roper WWTF	n/a	0.1	0.1	0.2	n/a	n/a	n/a	0.2	0.2	0.2	0.2	0.2	0.3	0.3
HRS-14	Pickens County Public Service Commission----12 Mile RV & Wolf Creek WWTF	n/a	0.3	0.3	0.3	n/a	n/a	n/a	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HRG-15	City of Clayton----Clayton WPCP	n/a	0.6	0.4	0.4	n/a	n/a	n/a	0.5	0.5	0.5	0.5	0.5	0.5	0.5
HRG-16	City of Toccoa----Eastanolee Creek WPCP	n/a	1.0	0.8	0.8	0.8	0.8	n/a	0.8	0.9	1.0	1.1	1.2	1.3	1.4
HRG-17	City of Toccoa----Toccoa Creek WPCP	n/a	0.3	0.3	0.2	0.3	0.4	n/a	0.4	0.4	0.4	0.5	0.5	0.5	0.6
<u>Industrial</u>															
HRS-18	Liberty Denim LLC ----Main Plant	n/a	n/a	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
HRS-19	Michelin North America, Inc.----Sandy Springs Plant	n/a	n/a	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.4
HRS-20	Milliken & Company----Pendleton Finishing Plant	n/a	1.0	1.0	1.0	n/a	n/a	n/a	1.3	1.3	1.3	1.3	1.3	1.3	1.3
HRS-21	One World Technologies, Inc.----Anderson Plant	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HNS-22	South Carolina Department of Natural Resources----Walhalla Fish Hatchery	n/a	n/a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HRS-23	Schlumberger----Sangamo-Weston Plant	n/a	0.1	0.1	0.1	0.0	n/a	n/a	0.0	0.1	0.1	0.1	0.2	0.3	0.5
HRS-24	Shaw Industries, Inc.----Clemson Plant	n/a	0.2	0.2	0.2	0.2	0.2	n/a	0.2	0.2	0.3	0.3	0.4	0.5	0.6
<u>Power</u>															
HRS-25	Duke Energy----Oconee Nuclear Station	n/a	n/a	4.7	5.0	5.1	5.7	5.2	5.1	5.1	5.1	5.1	5.1	5.1	5.1
HARTWELL DAM TOTAL FLOW			9.4	14.0	13.8	N/A⁴	N/A⁴	N/A⁴	14.6	15.4	16.6	17.7	18.5	20.2	22.1

Savannah River Basin Water Use Projections: Returns

Proj ID	Entity	Receiving Water	Historical Water Use (MGD)						Projected Water Use (MGD)							
			2005	2006	2007	2008	2009	2010	BASE	2016	2026	2036	2046	2056	2066	
RUSSELL DAM																
<u>Public Water/ Wastewater Utilities</u>																
LRS-1	City of Anderson - Electric City Utilities Division----	Genersotee Creek WWTP	n/a	3.7	3.3	3.3	2.9	3.6	n/a	3.6	4.0	4.8	5.5	6.3	7.0	7.7
LRS-2	City of Anderson - Electric City Utilities Division----	Rocky River WWTP	n/a	2.7	2.5	2.7	2.9	3.5	n/a	3.5	3.9	4.5	5.1	5.8	6.4	6.9
LRG-3	City of Elberton----	Fortson Creek WPCP	n/a	0.3	0.3	0.3	0.3	n/a	n/a	0.3	0.3	0.3	0.3	0.3	0.3	0.4
<u>Industrial</u>																
LRS-4	Mohawk Industries, Inc.----	Rocky River Plant	n/a	n/a	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
LRS-5	Owens Corning Composite Materials----	Anderson Plant	n/a	0.2	0.2	0.2	0.1	n/a	n/a	0.1	0.2	0.3	0.4	0.6	0.9	1.4
LRS-6	1st Quality Paper (previously owned by Shaw Industries, Inc.)----	Anderson Plant	n/a	0.2	0.1	0.1	0.1	n/a	n/a	2.5	2.5	2.5	2.5	2.5	2.5	2.5
RUSSEL DAM TOTAL FLOW				7.0	6.5	6.6	N/A⁴	N/A⁴	N/A⁴	10.1	10.9	12.5	14.0	15.7	17.3	19.1

Savannah River Basin Water Use Projections: Returns

Proj ID	Entity	Receiving Water	Historical Water Use (MGD)						Projected Water Use (MGD)						
			2005	2006	2007	2008	2009	2010	BASE	2016	2026	2036	2046	2056	2066
THURMOND DAM															
<u>Public Water/ Wastewater Utilities</u>															
TRS-1	City of Abbeville-Long Cane Creek--n/a	n/a	0.6	0.6	0.6	0.6	0.7	n/a	0.6	0.6	0.6	0.7	0.7	0.7	0.8
TRS-2	Town of Calhoun Falls----Calhoun Falls WWTF	n/a	0.4	0.3	0.3	0.3	0.4	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4
TRS-3	Town of Due West----Due West WWTF	n/a	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
TRG-4	City of Commerce----Northside WPCP	n/a	0.8	0.7	0.7	n/a	n/a	n/a	0.7	0.7	0.8	0.8	0.8	0.9	0.9
TRG-5	City of Elberton----Falling Creek WPCP	n/a	0.7	0.7	0.7	0.7	n/a	n/a	0.7	0.6	0.7	0.7	0.8	0.8	0.9
TRG-6	City of Franklin Springs----Franklin Springs WPCP	n/a	0.1	0.0	-	n/a	n/a	n/a	0.1	0.1	0.1	0.1	0.1	0.1	0.1
TRG-7	City of Lincolnton----Lincolnton WPCP	n/a	0.3	0.2	0.2	n/a	n/a	n/a	0.2	0.2	0.2	0.3	0.3	0.4	0.4
TRG-8	City of Royston----Royston WPCP	n/a	0.4	0.3	-	n/a	n/a	n/a	0.3	0.3	0.3	0.4	0.5	0.5	0.6
TRG-9	City of Washington----Washington WPCP	n/a	0.7	0.6	0.5	n/a	n/a	n/a	0.5	0.5	0.6	0.6	0.6	0.6	0.6
<u>Industrial</u>															
TRS-10	Sage Automotive Interiors----Abbeville Plant	n/a	0.7	0.8	-	-			0.6	0.7	0.9	1.0	1.2	1.4	1.7
TRG-11	Martin Marietta----Camak Quarry	n/a	1.3	0.7	0.5	n/a	n/a	n/a	0.7	0.7	0.7	0.7	0.7	0.7	0.7
THURMOND DAM TOTAL FLOW			6.0	4.9	3.5	N/A⁴	N/A⁴	N/A⁴	4.7	4.8	5.2	5.6	6.0	6.5	7.2

Savannah River Basin Water Use Projections: Returns

Proj ID	Entity	Receiving Water	Historical Water Use (MGD)						Projected Water Use (MGD)						
			2005	2006	2007	2008	2009	2010	BASE	2016	2026	2036	2046	2056	2066
WOODLAWN															
<u>Public Water/ Wastewater Utilities</u>															
WRG-1	Columbia County Water Utility----	Crawford Creek WPCP	n/a												
			1.0	0.9	0.9	n/a	n/a	n/a	0.9	1.0	1.4	1.9	2.5	3.3	4.2
WRG-2	Columbia County Water Utility----	Little River WPCP	n/a												
			2.6	2.6	2.9	n/a	n/a	n/a	3.1	3.8	5.2	7.0	9.2	11.9	15.4
WRG-3	City of Harlem----	Harlem WPCP	n/a												
			0.2	0.2	0.2	n/a	n/a	n/a	0.2	0.2	0.3	0.4	0.5	0.7	0.9
<u>Industrial</u>															
None															
WOODLAWN TOTAL FLOW			3.7	3.7	3.9	N/A⁴	N/A⁴	N/A⁴	4.1	5.1	7.0	9.3	12.2	15.9	20.5

Savannah River Basin Water Use Projections: Returns

Proj ID	Entity	Receiving Water	Historical Water Use (MGD)						Projected Water Use (MGD)						
			2005	2006	2007	2008	2009	2010	BASE	2016	2026	2036	2046	2056	2066
STEVENS CREEK															
<u>Public Water/ Wastewater Utilities</u>															
SRS-1	Edgefield County Water & Sewer Authority----Brooks Street WWTP	n/a	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.5
SRS-2	Greenwood Metropolitan District----West Alexander WWTF	Hard Labor Creek	1.5	1.2	1.2	1.2	1.2	1.0	1.0	1.1	1.1	1.2	1.3	1.4	1.5
SRS-3	McCormick Commission of Public Works----Rocky Creek WWTF	n/a	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.8	1.0	1.1	1.3
<u>Industrial</u>															
None															
<i>STEVENS CREEK TOTAL FLOW</i>			2.3	2.0	2.0	1.9	2.0	1.8	1.8	1.9	2.2	2.4	2.6	2.9	3.2

Savannah River Basin Water Use Projections: Returns

Proj ID	Entity	Receiving Water	Historical Water Use (MGD)						Projected Water Use (MGD)					
			2005	2006	2007	2008	2009	2010	BASE	2016	2026	2036	2046	2056
NORTH AUGUSTA														
	<u>Public Water/ Wastewater Utilities</u>													
	None													
	<u>Industrial</u>													
	None													
NORTH AUGUSTA TOTAL FLOW			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Savannah River Basin Water Use Projections: Returns

Proj ID	Entity	Receiving Water	Historical Water Use (MGD)						Projected Water Use (MGD)					
			2005	2006	2007	2008	2009	2010	BASE	2016	2026	2036	2046	2056
AUGUSTA CANAL DIVERSION														
	<u>Public Water/ Wastewater Utilities</u>													
	None													
	<u>Industrial</u>													
	None													
	<i>AUGUSTA CANAL DIVERSION TOTAL FLOW</i>		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Savannah River Basin Water Use Projections: Returns

Proj ID	Entity	Receiving Water	Historical Water Use (MGD)						Projected Water Use (MGD)						
			2005	2006	2007	2008	2009	2010	BASE	2016	2026	2036	2046	2056	2066
AUGUSTA CANAL DIVERSION RETURN															
	<u>Public Water/ Wastewater Utilities</u>														
RRG-1	Columbia County Water Utility----Reed Creek WPCP	n/a	3.4	3.2	3.1	n/a	n/a	n/a	3.4	4.2	5.7	7.6	10.0	13.0	16.8
	<u>Industrial</u>														
RRG-2	Martin Marietta----Augusta Quarry	n/a	0.8	0.6	0.7	n/a	n/a	n/a	0.7	0.7	0.7	0.7	0.7	0.7	0.7
<i>AUGUSTA CANAL DIVERSION RETURN TOTAL FLOW</i>			4.2	3.8	3.9	N/A⁴	N/A⁴	N/A⁴	4.1	4.9	6.4	8.3	10.7	13.7	17.5

Savannah River Basin Water Use Projections: Returns

Proj ID	Entity	Receiving Water	Historical Water Use (MGD)						Projected Water Use (MGD)						
			2005	2006	2007	2008	2009	2010	BASE	2016	2026	2036	2046	2056	2066
AUGUSTA															
	<u>Public Water/ Wastewater Utilities</u>														
ARS-1	Aiken County Public Service Authority----Horse Creek Pollution Control Facility	n/a	11.9	9.8	9.2	9.2	9.2	9.4	9.4	9.4	10.4	11.4	12.6	14.0	15.4
	<u>Industrial</u>														
ARS-2	Kimberly Clark----Beech Island Plant	n/a	n/a	8.4	9.8	9.4	5.9	4.6	4.6	5.1	6.1	7.2	8.6	10.3	12.4
ARS-3	South Carolina Minerals, Inc.----North Augusta Mine	n/a	0.4	0.4	0.4	0.5	n/a	n/a	0.5	0.5	0.5	0.5	0.5	0.5	0.5
ARG-4	DSM Chemicals, Inc.----Augusta Plant	n/a	3.7	3.6	4.2	n/a	n/a	n/a	3.9	3.9	3.9	3.9	3.9	3.9	3.9
ARG-5	General Chemical Corporation----Augusta Plant	n/a	0.2	0.2	0.3	n/a	n/a	n/a	0.2	0.2	0.2	0.2	0.2	0.2	0.2
ARG-6	PCS Nitrogen Fertilizer--n/a	n/a	1.6	1.5	1.8	n/a	n/a	n/a	1.6	1.6	1.6	1.6	1.6	1.6	1.6
<i>AUGUSTA TOTAL FLOW</i>			17.7	23.9	25.7	N/A⁴	N/A⁴	N/A⁴	20.2	20.6	22.6	24.8	27.5	30.5	34.0

Savannah River Basin Water Use Projections: Returns

Proj ID	Entity	Receiving Water	Historical Water Use (MGD)						Projected Water Use (MGD)						
			2005	2006	2007	2008	2009	2010	BASE	2016	2026	2036	2046	2056	2066
GIRARD															
<u>Public Water/ Wastewater Utilities</u>															
GRG-1	Richmond County-City of Augusta Utilities Department----Sprit Creek WPCP	n/a	4.0	3.8	1.0	n/a	n/a	n/a	1.0	1.0	1.0	1.0	1.0	1.0	1.0
GRG-2	Richmond County-City of Augusta Utilities Department----J. B. Messerly WPCP	n/a	30.1	28.1	28.7	n/a	34.6	31.0	31.0	34.6	37.3	40.0	42.6	45.3	48.0
GRG-3	East Central Regional Hospital----Gracewood Campus	n/a	0.1	0.1	0.1	n/a	n/a	n/a	0.1	0.1	0.1	0.1	0.1	0.1	0.1
GRG-4	US Army----Fort Gordon	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<u>Industrial</u>															
GRS-5	Savannah River Nuclear Solutions----Savannah River Site	n/a	n/a	5.2	5.6	5.8	5.7	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
GRG-6	International Paper Company----Augusta Plant	n/a	43.4	43.2	41.9	n/a	n/a	n/a	41.9	42.6	43.4	44.1	45.0	45.8	46.6
GRG-7	Olin Corporation----Augusta Plant	n/a	0.8	0.6	0.6	n/a	n/a	n/a	0.6	0.7	0.9	1.0	1.2	1.5	1.8
GRG-8	Thermal Ceramics Inc.----Girard Plant	n/a	1.3	1.3	1.6	n/a	n/a	n/a	1.6	1.8	2.1	2.5	2.9	3.4	3.9
GRG-9	Unimin Corporation----Hephzibah Site	Grindstone Branch	2.0	1.5	1.6	n/a	n/a	n/a	1.6	1.6	1.7	1.7	1.7	1.7	1.7
GIRARD TOTAL FLOW			81.6	83.9	81.2	N/A⁴	N/A⁴	N/A⁴	83.2	87.8	91.7	95.7	99.8	104.0	108.4

Savannah River Basin Water Use Projections: Returns

Proj ID	Entity	Receiving Water	Historical Water Use (MGD)						Projected Water Use (MGD)					
			2005	2006	2007	2008	2009	2010	BASE	2016	2026	2036	2046	2056
MILLHAVEN														
	<u>Public Water/ Wastewater Utilities</u>													
	None													
	<u>Industrial</u>													
MRS-1	Clariant Corporation----Martin Plant	n/a	n/a	2.3	2.2	2.0	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7
MILLHAVEN TOTAL FLOW			0.0	2.3	2.2	2.0	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7

Savannah River Basin Water Use Projections: Returns

Proj ID	Entity	Receiving Water	Historical Water Use (MGD)						Projected Water Use (MGD)						
			2005	2006	2007	2008	2009	2010	BASE	2016	2026	2036	2046	2056	2066
CLYO															
Public Water/ Wastewater Utilities															
CRS-1	Town of Allendale----Allendale WWTF	n/a	1.3	1.2	1.1	1.2	1.2	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.5
CRG-2	City of Sylvania----Sylvania WPCP	n/a	0.8	0.7	0.7	n/a	n/a	n/a	0.7	0.7	0.8	0.9	1.0	1.1	1.3
CRG-3	McDuffie County-City of Thomson Water & Sewer Commission---- Thomson WPCP	White's Creek	1.6	1.3	1.2	1.2	1.4	1.2	1.3	1.4	1.7	2.0	2.3	2.7	3.2
CRG-4	City of Waynesboro----Waynesboro WPCP	n/a	1.1	0.8	0.7	n/a	n/a	n/a	0.8	0.8	1.0	1.2	1.5	1.8	2.2
CRG-5	City of Wrens----Wrens WPCP	n/a	0.5	0.4	0.3	n/a	n/a	n/a	0.3	0.5	0.6	0.7	0.9	1.1	1.3
Industrial															
CRG-6	Kamin LLC (Formerly ECC International; Formerly JM Huber Corporation)- ---Wrens Plant	Reedy Creek	4.8	3.4	3.3	3.9	5.2	n/a	5.0	5.0	5.0	5.0	5.0	5.0	5.0
CRG-7	Kamin LLC (Formerly ECC International; Formerly JM Huber Corporation)- ---Wrens Plant	Brier Creek	0.3	0.6	0.7	0.9	0.8	n/a	1.8	1.8	1.8	1.8	1.8	1.8	1.8
CLYO TOTAL FLOW			10.4	8.5	8.1	N/A⁴	N/A⁴	N/A⁴	11.2	11.7	12.3	13.1	14.0	15.0	16.3

Savannah River Basin Water Use Projections: Returns

Proj ID	Entity	Receiving Water	Historical Water Use (MGD)						Projected Water Use (MGD)							
			2005	2006	2007	2008	2009	2010	BASE	2016	2026	2036	2046	2056	2066	
BELOW CLYO																
<u>Public Water/ Wastewater Utilities</u>																
XRS-1	Beaufort-Jasper Water & Sewer Authority	Cherry Point WWTP	n/a	4.2	4.4	4.2	4.2	4.4	4.6	4.6	3.3	4.5	4.8	4.8	4.5	4.0
XRS-2	Beaufort-Jasper Water & Sewer Authority	Hardeeville Church Road	n/a	0.4	0.4	0.4	0.4	0.5	0.4	0.4	0.5	0.6	0.8	1.0	1.2	1.3
XRS-3	Town of Hilton Head	No 1 PSD WWTP	n/a	4.0	3.6	3.5	2.9	1.1	0.8	0.8	1.0	3.9	4.0	4.1	4.2	4.3
XRS-4	South Island Public Service District	South Island P. S. D. Reverse Osmosis WTP	n/a	0.5	0.4	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XRS-5	South Island Public Service District	South Island P. S. D. Reclaimed Water Plant	n/a	3.3	1.8	1.8	1.9	2.1	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XRG-6	Garden City	Garden City WPCP	n/a	1.0	1.0	1.0	n/a	n/a	n/a	1.0	0.9	1.0	1.1	1.2	1.2	1.3
XRG-7	City of Rincon	Rincon WPCP	n/a	0.5	0.5	0.5	n/a	n/a	n/a	0.6	0.8	1.3	2.2	3.5	5.6	8.8
XRG-8	City of Savannah	President Street WQCF	n/a	21.2	19.7	19.4	n/a	n/a	n/a	19.4	21.9	25.3	28.7	32.1	35.5	38.8
XRG-9	City of Savannah	Travis Field WPCP	n/a	3.3	3.0	3.0	n/a	n/a	n/a	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XRG-10	City of Savannah	Wilshire WPCP	n/a	3.3	3.0	3.0	n/a	n/a	n/a	5.9	6.5	7.5	8.5	9.5	10.5	11.5
XRG-11	City of Tybee Island	Tybee Island WPCP	n/a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<u>Industrial</u>																
XRG-12	NuStar Energy (formerly Citgo Asphalt Refining Company)	Savannah Plant	n/a	0.0	0.0	0.1	n/a	n/a	n/a	0.1	0.1	0.1	0.1	0.1	0.1	0.1
XRG-13	Colonial Terminals, Inc.	Savannah Facility	n/a	0.7	0.7	0.6	n/a	n/a	n/a	0.6	0.6	0.6	0.6	0.6	0.6	0.6
XRG-14	EMD Chemicals, Inc.	n/a	n/a	n/a	0.5	0.4	n/a	n/a	n/a	0.4	0.4	0.4	0.4	0.4	0.4	0.4
XRG-15	BASF	Savannah Facility	n/a	-	1.1	1.1	n/a	n/a	n/a	1.1	1.3	1.5	1.8	2.2	2.6	3.1
XRG-16	GAF Corporation	Savannah Plant	n/a	0.5	0.3	0.3	n/a	n/a	n/a	0.5	0.5	0.5	0.5	0.5	0.5	0.5
XRG-17	Georgia-Pacific	Savannah River Mill	n/a	17.6	17.9	16.5	n/a	n/a	n/a	16.5	16.8	17.1	17.4	17.7	18.1	18.4
XRG-18	Global Ship Systems	North Lathrop Ave Shipyard	n/a	-	-	-	n/a	n/a	n/a	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XRG-19	Ashland, Inc.	Savannah Plant	n/a	n/a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
XRG-20	International Paper Company	Savannah Containerboard Mill	n/a	22.8	23.4	23.2	n/a	n/a	n/a	23.2	23.5	24.0	24.4	24.9	25.3	25.8
XRG-21	Georgia Power / Savannah Electric	McIntosh Plant	n/a	0.1	0.2	0.0	n/a	n/a	n/a	0.3	0.3	0.3	0.3	0.3	0.3	0.3
XRG-22	Imperial Sugar Company	Savannah Sugar Refinery	n/a	0.0	1.3	1.1	n/a	n/a	n/a	1.1	1.6	2.4	3.6	5.6	8.5	13.0
XRG-23	Southern States Phosphate & Fertilizer	n/a	n/a	n/a	n/a	1.2	n/a	n/a	n/a	1.2	1.2	1.2	1.2	1.2	1.2	1.2
XRG-24	Tronox Pigments	Savannah Plant	n/a	n/a	8.4	9.8	9.4	5.9	4.6	4.6	5.1	6.0	7.2	8.6	10.3	12.3
XRG-25	Weyerhaeuser Company	Port Wentworth Mill	n/a	21.1	19.6	19.1	n/a	n/a	n/a	19.1	19.3	19.7	20.0	20.4	20.8	21.1
BELOW CLYO TOTAL FLOW				104.4	111.0	110.6	N/A⁴	N/A⁴	N/A⁴	101.2	105.4	117.8	127.6	138.5	151.2	166.9
GRAND TOTAL (ALL BASINS)				247.4	265.8	262.6	n/a	n/a	n/a	258.5	272.2	298.4	323.3	350.9	383.1	421.5

Notes

1. Agricultural/Irrigational water use values based on most recent (2005) USGS data. The 2005 water use assumed for subsequent years in table.
2. Water use data for Water User not available for this study.
3. Consumptive use data not available for Georgia Power's Kraft Plant for this technical memorandum. See detail sheet for more information.
4. Total flow for sub-basin cannot be computed due to lack of Georgia Water User data.
5. Total 2006 for subbasin cannot be computed due to lack of information regarding Georgia Power's Kraft Plant

Net Withdrawal Projection and Comparison with Historical and Forecasted Populations				
Water User Category	Base Year	Flow		AGR
		Base Year	2066	
Industrial				
Withdrawals	2010	105.0	130.9	0.39
Returns	2010	145.2	193.1	0.51
Net Withdrawals	2010	-40.2	-62.2	0.78
Public Water/ Wastewater				
Withdrawals	2010	200.8	510.6	1.68
Returns	2010	107.9	223.0	1.31
Net Withdrawals	2010	92.9	287.5	2.04
Agriculture/Irrigation	2010	62.1	62.1	0.00
Subtotal (Excluding Power)- Net Withdrawals	2010	114.8	287.4	1.65
Public Water Supply/Wastewater and Industrial				
Power				
Withdrawals (net cooling evaporative loss)	2010	133.8	310.1	1.51
Returns	2010	5.4	5.4	0.00
Net Withdrawals	2010	128.4	304.7	1.56
Total Basin- Net Withdrawals	2010	243.2	592.1	1.60
Population Projections				
	Years	Start Year	End Year	AGR
United States				
	2010-2030	308,745,538	373,504,000	0.96
	2030-2050	373,504,000	439,010,000	0.81
	2040-2050	405,655,000	439,010,000	0.79
	2010-2050	308,745,538	439,010,000	0.88
South Carolina ¹				
	2010-2035	4,625,364	5,722,720	0.86
Savannah River Basin Study- 13 Counties	2010-2035	771,800	963,990	0.89
Georgia ²				
	2010-2030	9,687,653	14,687,906	2.10
Savannah River Basin Study- 28 Counties	2010-2030	1,353,973	1,992,397	1.95
Historical Data				
	Years	Start Year	End Year	AGR
US Population History³				
	1970-2010	203,302,031	308,745,538	1.05
South Carolina Historical Population³				
	1970-2010	2,590,516	4,625,364	1.46
Savannah River Basin Study- 13 Counties	1970-2010	459,785	771,800	1.30
Georgia Historical Population ³				
	1970-2010	4,589,575	9,687,653	1.89
Savannah River Basin Study- 28 Counties	1970-2010	768,851	1,353,973	1.42
Sources				
1. South Carolina Office of Research and Statistics Health & Demographics webpage				
2. Georgia State Office of Planning and Budget Report (3/12/2010)				
3. U.S. Census Bureau				

Projected Flow by Month (mgd)													
Year	Annual Average	Month											
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
WITHDRAWALS													
Base	501.70	474.81	462.50	452.23	471.54	511.93	562.76	563.53	565.60	531.71	497.27	473.49	468.66
2016	596.66	563.69	549.82	539.37	562.90	608.15	664.02	663.30	663.51	628.43	593.31	572.50	566.38
2026	697.04	652.03	638.12	629.96	661.06	716.28	776.25	776.30	773.07	735.98	694.83	668.42	656.88
2036	775.48	722.70	708.38	701.15	737.09	798.80	863.76	865.05	859.62	820.49	773.38	741.69	727.93
2046	867.28	805.15	790.48	784.80	826.56	896.36	964.88	967.06	959.43	918.38	866.11	829.85	812.01
2056	951.91	879.72	864.63	860.72	908.82	987.30	1,059.57	1,062.78	1,052.76	1,009.58	951.64	910.35	888.26
2066	1,013.68	930.09	914.55	912.73	968.03	1,056.22	1,132.77	1,137.03	1,124.31	1,078.79	1,014.34	967.26	940.52
RETURNS													
Base	258.52	258.17	259.27	271.77	258.10	247.57	265.10	255.15	261.48	260.04	249.79	243.68	262.45
2016	272.19	271.65	273.12	286.20	272.10	260.46	278.68	268.38	275.23	273.69	262.95	256.19	276.02
2026	298.36	297.63	299.92	313.81	298.38	284.75	304.24	293.69	301.83	299.97	288.23	280.51	302.35
2036	323.27	321.64	324.58	339.50	323.21	307.87	328.59	317.61	327.09	325.22	312.68	303.76	327.27
2046	350.95	347.89	351.60	367.69	350.50	333.22	355.50	343.95	355.02	353.35	339.90	329.56	354.85
2056	383.12	377.98	382.64	399.97	381.73	362.19	386.26	374.21	387.21	386.21	371.63	359.62	386.94
2066	421.54	413.29	419.10	437.86	418.36	396.09	422.46	409.88	425.22	425.57	409.62	395.60	425.25
NET WITHDRAWAL													
Base	243.18	216.64	203.23	180.46	213.44	264.36	297.66	308.38	304.12	271.66	247.49	229.81	206.21
2016	324.47	292.04	276.70	253.17	290.79	347.69	385.35	394.92	388.28	354.73	330.35	316.31	290.37
2026	398.68	354.41	338.20	316.15	362.68	431.53	472.01	482.62	471.24	436.01	406.60	387.91	354.53
2036	452.21	401.05	383.80	361.65	413.87	490.93	535.17	547.44	532.53	495.26	460.70	437.93	400.66
2046	516.33	457.26	438.88	417.10	476.06	563.13	609.38	623.12	604.42	565.03	526.21	500.29	457.17
2056	568.79	501.73	481.99	460.75	527.10	625.11	673.31	688.57	665.54	623.38	580.01	550.72	501.33
2066	592.14	516.80	495.45	474.87	549.68	660.13	710.31	727.15	699.09	653.21	604.72	571.66	515.27

Projected Net Withdrawals by Month (mgd)													
Year	Annual Average	Month											
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Public Water/Wastewater Utilities													
Base	92.91	59.84	55.24	54.67	81.04	116.37	122.52	129.14	122.78	114.87	101.25	89.81	66.42
2016	121.54	80.07	76.50	76.81	108.20	149.68	158.42	165.29	157.22	148.07	130.87	117.22	88.91
2026	160.93	106.83	102.44	104.29	144.83	198.10	209.69	217.72	205.83	194.89	172.63	153.83	118.24
2036	191.12	128.30	122.95	125.16	172.18	234.41	248.10	257.72	243.53	230.81	204.58	182.22	141.31
2046	222.51	150.33	143.97	146.64	200.68	272.50	288.17	299.53	282.85	268.34	237.79	211.66	165.10
2056	253.83	171.57	164.03	167.33	229.13	311.28	328.92	342.17	322.71	306.20	271.00	240.72	188.10
2066	287.55	193.91	185.05	189.11	259.82	353.57	373.29	388.58	365.97	347.25	306.77	271.72	212.30
Industrial													
Base	-40.22	-39.50	-38.28	-45.71	-31.55	-31.63	-40.84	-34.85	-41.08	-44.27	-36.49	-31.91	-40.25
2016	-29.30	-26.53	-28.19	-37.16	-23.08	-23.02	-30.88	-26.32	-33.06	-36.22	-24.71	-13.92	-20.28
2026	-33.18	-29.71	-31.41	-40.46	-26.56	-26.26	-34.07	-29.68	-37.34	-40.41	-28.87	-17.68	-24.23
2036	-37.80	-33.34	-35.11	-44.24	-30.57	-29.94	-37.71	-33.55	-42.28	-45.41	-33.85	-22.15	-28.89
2046	-43.86	-37.96	-39.85	-49.06	-35.68	-34.62	-42.37	-38.48	-48.52	-51.98	-40.35	-28.03	-34.98
2056	-51.83	-43.82	-45.90	-55.21	-42.19	-40.53	-48.29	-44.76	-56.35	-60.59	-48.86	-35.76	-42.92
2066	-62.20	-51.10	-53.46	-62.87	-50.31	-47.80	-55.66	-52.60	-66.06	-71.81	-59.91	-45.82	-53.18
Agriculture/Irrigation													
Base	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09
2016	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09
2026	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09
2036	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09
2046	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09
2056	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09
2066	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09
Power													
Base	128.39	134.21	124.18	109.41	101.85	117.51	153.88	151.99	160.33	138.97	120.64	109.81	117.95
2016	170.13	176.40	166.28	151.42	143.58	158.94	195.71	193.86	202.03	180.79	162.09	150.92	159.65
2026	208.84	215.19	205.08	190.22	182.31	197.59	234.30	232.48	240.65	219.43	200.74	189.66	198.43
2036	236.79	244.00	233.86	218.63	210.17	224.37	262.68	261.17	269.19	247.77	227.87	215.76	226.15
2046	275.59	282.80	272.66	257.43	248.97	263.17	301.48	299.97	307.99	286.57	266.67	254.56	264.95
2056	304.69	311.90	301.76	286.53	278.07	292.27	330.58	329.07	337.09	315.67	295.77	283.66	294.05
2066	304.69	311.90	301.76	286.53	278.07	292.27	330.58	329.07	337.09	315.67	295.77	283.66	294.05
Total													
Base	243.18	216.64	203.23	180.46	213.44	264.36	297.66	308.38	304.12	271.66	247.49	229.81	206.21
2016	324.47	292.04	276.70	253.17	290.79	347.69	385.35	394.92	388.28	354.73	330.35	316.31	290.37
2026	398.68	354.41	338.20	316.15	362.68	431.53	472.01	482.62	471.24	436.01	406.60	387.91	354.53
2036	452.21	401.05	383.80	361.65	413.87	490.93	535.17	547.44	532.53	495.26	460.70	437.93	400.66
2046	516.33	457.26	438.88	417.10	476.06	563.13	609.38	623.12	604.42	565.03	526.21	500.29	457.17
2056	568.79	501.73	481.99	460.75	527.10	625.11	673.31	688.57	665.54	623.38	580.01	550.72	501.33
2066	592.14	516.80	495.45	474.87	549.68	660.13	710.31	727.15	699.09	653.21	604.72	571.66	515.27

Projected Withdrawals by Month (mgd)													
Year	Annual Average	Month											
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Public Water/Wastewater Utilities													
Base	200.81	170.28	169.55	173.45	192.93	219.11	231.06	234.79	228.89	220.49	203.27	189.54	174.70
2016	239.29	200.60	201.27	206.56	230.51	261.88	277.07	280.62	273.02	263.32	242.06	225.71	206.93
2026	299.15	248.38	249.00	256.57	288.08	329.56	348.83	353.10	342.08	330.38	303.10	281.13	256.93
2036	347.46	288.12	288.35	297.21	334.04	383.14	405.72	410.91	397.86	384.34	352.33	326.19	298.17
2046	398.23	329.61	329.48	339.87	382.45	439.68	465.76	471.80	456.57	441.16	404.01	373.39	341.33
2056	451.48	372.84	372.31	384.45	433.28	499.26	528.99	536.04	518.44	500.93	458.14	422.59	386.31
2066	510.58	420.62	419.62	433.83	489.77	565.54	599.45	607.53	587.25	567.42	518.15	476.93	436.01
Industrial													
Base	105.02	103.30	101.33	102.53	109.60	106.91	110.25	109.77	109.13	105.00	105.96	106.14	107.53
2016	119.76	119.65	114.83	114.54	121.66	118.92	123.68	121.85	121.20	117.07	121.73	127.87	131.32
2026	121.57	121.42	116.60	116.33	123.51	120.73	125.56	123.74	123.08	118.92	123.57	129.63	133.05
2036	123.75	123.54	118.72	118.47	125.73	122.89	127.79	125.99	125.32	121.13	125.76	131.73	135.12
2046	125.97	125.72	120.89	120.66	128.00	125.10	130.08	128.31	127.61	123.41	128.01	133.89	137.25
2056	128.25	127.94	123.12	122.90	130.32	127.37	132.43	130.68	129.97	125.73	130.32	136.09	139.43
2066	130.92	130.55	125.73	125.53	133.04	130.02	135.18	133.45	132.71	128.45	133.01	138.67	141.98
Agriculture/Irrigation													
Base	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09
2016	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09
2026	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09
2036	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09
2046	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09
2056	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09
2066	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09	62.09
Power													
Base	133.78	139.14	129.53	114.15	106.91	123.82	159.35	156.87	165.49	144.12	125.95	115.72	124.34
2016	175.52	181.34	171.63	156.16	148.64	165.24	201.18	198.74	207.19	185.94	167.41	156.82	166.04
2026	214.23	220.13	210.43	194.96	187.37	203.90	239.77	237.37	245.81	224.58	206.06	195.57	204.82
2036	242.18	248.93	239.21	223.38	215.23	230.68	268.15	266.06	274.35	252.92	233.19	221.67	232.54
2046	280.98	287.73	278.01	262.18	254.03	269.48	306.95	304.86	313.15	291.72	271.99	260.47	271.34
2056	310.08	316.83	307.11	291.28	283.13	298.58	336.05	333.96	342.25	320.82	301.09	289.57	300.44
2066	310.08	316.83	307.11	291.28	283.13	298.58	336.05	333.96	342.25	320.82	301.09	289.57	300.44
Total													
Base	501.70	474.81	462.50	452.23	471.54	511.93	562.76	563.53	565.60	531.71	497.27	473.49	468.66
2016	596.66	563.69	549.82	539.37	562.90	608.15	664.02	663.30	663.51	628.43	593.31	572.50	566.38
2026	697.04	652.03	638.12	629.96	661.06	716.28	776.25	776.30	773.07	735.98	694.83	668.42	656.88
2036	775.48	722.70	708.38	701.15	737.09	798.80	863.76	865.05	859.62	820.49	773.38	741.69	727.93
2046	867.28	805.15	790.48	784.80	826.56	896.36	964.88	967.06	959.43	918.38	866.11	829.85	812.01
2056	951.91	879.72	864.63	860.72	908.82	987.30	1,059.57	1,062.78	1,052.76	1,009.58	951.64	910.35	888.26
2066	1,013.68	930.09	914.55	912.73	968.03	1,056.22	1,132.77	1,137.03	1,124.31	1,078.79	1,014.34	967.26	940.52

Projected Returns by Month (mgd)													
Year	Annual Average	Month											
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Public Water/Wastewater Utilities													
Base	107.89	110.43	114.31	118.78	111.89	102.73	108.54	105.64	106.11	105.62	102.02	99.73	108.28
2016	117.75	120.53	124.76	129.75	122.31	112.21	118.65	115.33	115.81	115.25	111.19	108.49	118.03
2026	138.22	141.55	146.56	152.28	143.25	131.46	139.14	135.38	136.25	135.49	130.47	127.30	138.69
2036	156.34	159.82	165.40	172.05	161.86	148.73	157.62	153.19	154.32	153.52	147.75	143.97	156.86
2046	175.72	179.27	185.51	193.23	181.76	167.19	177.58	172.27	173.72	172.82	166.22	161.73	176.23
2056	197.65	201.28	208.27	217.12	204.15	187.99	200.07	193.87	195.73	194.73	187.14	181.87	198.20
2066	223.03	226.70	234.56	244.73	229.95	211.97	226.16	218.94	221.29	220.16	211.38	205.21	223.71
Industrial													
Base	145.24	142.80	139.61	148.24	141.15	138.53	151.09	144.62	150.21	149.27	142.45	138.05	147.79
2016	149.05	146.18	143.01	151.70	144.74	141.94	154.56	148.16	154.27	153.29	146.44	141.79	151.60
2026	154.75	151.14	148.01	156.79	150.07	146.99	159.63	153.42	160.42	159.33	152.44	147.30	157.27
2036	161.55	156.88	153.83	162.70	156.29	152.83	165.50	159.54	167.61	166.55	159.61	153.88	164.02
2046	169.84	163.68	160.74	169.72	163.68	159.73	172.45	166.79	176.13	175.38	168.36	161.92	172.23
2056	180.08	171.77	169.02	178.11	172.52	167.90	180.72	175.45	186.32	186.32	179.18	171.85	182.35
2066	193.12	181.65	179.19	188.39	183.35	177.82	190.83	186.05	198.77	200.26	192.92	184.49	195.16
Agriculture/Irrigation													
Base	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2016	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2026	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2036	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2046	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2056	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2066	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Power													
Base	5.39	4.94	5.35	4.74	5.06	6.31	5.47	4.89	5.16	5.15	5.32	5.91	6.39
2016	5.39	4.94	5.35	4.74	5.06	6.31	5.47	4.89	5.16	5.15	5.32	5.91	6.39
2026	5.39	4.94	5.35	4.74	5.06	6.31	5.47	4.89	5.16	5.15	5.32	5.91	6.39
2036	5.39	4.94	5.35	4.74	5.06	6.31	5.47	4.89	5.16	5.15	5.32	5.91	6.39
2046	5.39	4.94	5.35	4.74	5.06	6.31	5.47	4.89	5.16	5.15	5.32	5.91	6.39
2056	5.39	4.94	5.35	4.74	5.06	6.31	5.47	4.89	5.16	5.15	5.32	5.91	6.39
2066	5.39	4.94	5.35	4.74	5.06	6.31	5.47	4.89	5.16	5.15	5.32	5.91	6.39
Total													
Base	258.52	258.17	259.27	271.77	258.10	247.57	265.10	255.15	261.48	260.04	249.79	243.68	262.45
2016	272.19	271.65	273.12	286.20	272.10	260.46	278.68	268.38	275.23	273.69	262.95	256.19	276.02
2026	298.36	297.63	299.92	313.81	298.38	284.75	304.24	293.69	301.83	299.97	288.23	280.51	302.35
2036	323.27	321.64	324.58	339.50	323.21	307.87	328.59	317.61	327.09	325.22	312.68	303.76	327.27
2046	350.95	347.89	351.60	367.69	350.50	333.22	355.50	343.95	355.02	353.35	339.90	329.56	354.85
2056	383.12	377.98	382.64	399.97	381.73	362.19	386.26	374.21	387.21	386.21	371.63	359.62	386.94
2066	421.54	413.29	419.10	437.86	418.36	396.09	422.46	409.88	425.22	425.57	409.62	395.60	425.25

Projected Flow by Subbasin (mgd)																	
Year	Subbasins																
	Total	Bad Creek Dam	Jocassee Dam	Keowee Dam	Hartwell Dam	Russell Dam	Thurmond Dam	Woodlawn	Stevens Creek	North Augusta	Augusta Canal Diversion	Augusta Canal Return	Augusta	Girard	Millhaven	Clyo	Below Clyo
WITHDRAWALS																	
Base	501.70	0.01	4.67	65.64	39.00	6.58	22.23	2.27	17.55	21.51	0.00	87.96	0.88	116.63	5.09	18.11	93.57
2016	596.66	0.24	4.90	76.24	53.25	6.89	23.61	2.50	26.84	24.53	0.23	89.33	1.11	167.26	5.32	18.62	95.81
2026	697.04	0.27	4.93	90.72	61.47	16.96	35.51	2.53	39.95	29.99	0.26	91.26	10.84	168.27	5.35	18.88	119.85
2036	775.48	0.32	4.98	114.66	76.25	17.25	38.19	2.58	42.39	36.63	0.31	93.21	10.89	169.31	5.40	28.89	134.24
2046	867.28	0.37	5.03	129.18	82.48	17.55	41.45	12.33	54.61	44.75	0.36	95.16	10.94	170.37	15.15	38.94	148.62
2056	951.91	0.42	5.08	143.35	88.83	27.58	55.10	12.38	57.22	54.71	0.41	97.11	10.99	171.45	15.20	39.35	172.75
2066	1,013.68	0.49	5.15	159.47	95.82	27.93	59.92	12.45	59.95	66.98	0.48	99.08	11.06	172.57	15.27	39.86	187.21
RETURNS																	
Base	258.52	0.00	0.00	1.52	14.61	10.11	4.69	4.14	1.84	0.00	0.00	4.10	20.16	83.22	1.67	11.24	101.22
2016	272.19	0.00	0.00	1.87	15.43	10.94	4.84	5.08	1.94	0.00	0.00	4.87	20.61	87.83	1.67	11.69	105.42
2026	298.36	0.00	0.00	2.43	16.56	12.53	5.17	6.96	2.16	0.00	0.00	6.41	22.58	91.73	1.67	12.33	117.82
2036	323.27	0.00	0.00	2.99	17.68	14.02	5.64	9.29	2.39	0.00	0.00	8.33	24.85	95.72	1.67	13.09	127.60
2046	350.95	0.00	0.00	3.56	18.55	15.73	6.04	12.23	2.64	0.00	0.00	10.74	27.46	99.82	1.67	13.97	138.54
2056	383.12	0.00	0.00	4.11	20.17	17.29	6.52	15.92	2.93	0.00	0.00	13.74	30.48	104.04	1.67	15.03	151.23
2066	421.54	0.00	0.00	4.73	22.11	19.10	7.16	20.53	3.24	0.00	0.00	17.50	33.97	108.41	1.67	16.26	166.85
Net Withdrawal																	
Base	243.18	0.01	4.67	64.12	24.38	-3.53	17.55	-1.87	15.71	21.51	0.00	83.86	-19.28	33.41	3.42	6.87	-7.65
2016	324.47	0.24	4.90	74.37	37.81	-4.05	18.77	-2.58	24.89	24.53	0.23	84.46	-19.50	79.43	3.65	6.93	-9.61
2026	398.68	0.27	4.93	88.29	44.92	4.43	30.34	-4.43	37.79	29.99	0.26	84.85	-11.75	76.54	3.68	6.55	2.04
2036	452.21	0.32	4.98	111.66	58.57	3.23	32.55	-6.71	40.00	36.63	0.31	84.88	-13.96	73.59	3.73	15.80	6.64
2046	516.33	0.37	5.03	125.62	63.93	1.82	35.41	0.10	51.96	44.75	0.36	84.42	-16.52	70.55	13.48	24.97	10.08
2056	568.79	0.42	5.08	139.24	68.66	10.29	48.58	-3.54	54.29	54.71	0.41	83.37	-19.49	67.41	13.53	24.32	21.52
2066	592.14	0.49	5.15	154.74	73.71	8.83	52.76	-8.08	56.71	66.98	0.48	81.58	-22.92	64.16	13.60	23.60	20.36

Projected Net Withdrawals by Subbasin (mgd)																	
Year	Subbasin																
	Total	Bad Creek Dam	Jocassee Dam	Keowee Dam	Hartwell Dam	Russell Dam	Thurmond Dam	Woodlawn	Stevens Creek	North Augusta	Augusta Canal Diversion	Augusta Canal Return	Augusta	Girard	Millhaven	Clyo	Below Clyo
Public Water/Wastewater Utilities																	
Base	92.91	0.00	0.00	38.36	22.92	-3.82	6.93	-4.14	6.63	21.24	0.00	24.77	-9.43	-32.18	0.00	-3.46	25.09
2016	121.54	0.00	0.00	45.42	36.14	-4.52	8.02	-5.08	15.59	24.03	0.00	25.14	-9.37	-35.74	0.00	-3.63	25.55
2026	160.93	0.00	0.00	59.31	43.33	-5.69	9.99	-6.96	28.45	29.46	0.00	25.50	-10.35	-38.42	0.00	-4.05	30.37
2036	191.12	0.00	0.00	74.07	47.27	-6.81	12.31	-9.29	30.61	36.05	0.00	25.48	-11.44	-41.09	0.00	-4.54	38.50
2046	222.51	0.00	0.00	87.98	52.65	-8.06	15.31	-12.23	32.83	44.12	0.00	24.97	-12.64	-43.77	0.00	-5.12	46.46
2056	253.83	0.00	0.00	101.55	57.43	-9.03	18.95	-15.92	35.10	54.03	0.00	23.87	-13.97	-46.44	0.00	-5.82	54.08
2066	287.55	0.00	0.00	116.98	62.57	-10.09	23.32	-20.53	37.45	66.23	0.00	22.01	-15.44	-49.12	0.00	-6.61	60.79
Industrial																	
Base	-40.22	0.00	0.00	0.00	-0.51	-2.57	-1.29	0.00	0.00	0.00	0.00	8.67	-10.73	8.69	-1.67	-1.89	-38.92
2016	-29.30	0.23	0.23	0.23	-0.30	-2.39	-1.16	0.23	0.23	0.23	0.23	8.90	-11.01	18.74	-1.44	-1.66	-40.59
2026	-33.18	0.26	0.26	0.26	-0.29	-2.44	-1.26	0.26	0.26	0.26	0.26	8.93	-11.97	18.53	-1.41	-1.63	-43.46
2036	-37.80	0.31	0.31	0.31	-0.28	-2.52	-1.37	0.31	0.31	0.31	0.31	8.98	-13.10	18.25	-1.36	-1.58	-46.99
2046	-43.86	0.36	0.36	0.36	-0.30	-2.68	-1.51	0.36	0.36	0.36	0.36	9.03	-14.46	17.89	-1.31	-1.53	-51.51
2056	-51.83	0.41	0.41	0.41	-0.35	-2.94	-1.68	0.41	0.41	0.41	0.41	9.08	-16.10	17.42	-1.26	-1.48	-57.39
2066	-62.20	0.48	0.48	0.48	-0.44	-3.34	-1.87	0.48	0.48	0.48	0.48	9.15	-18.05	16.84	-1.19	-1.41	-65.25
Agriculture/Irrigation																	
Base	62.09	0.01	4.67	1.28	7.00	1.99	11.91	2.27	9.08	0.27	0.00	0.51	0.88	4.63	5.09	12.22	0.29
2016	62.09	0.01	4.67	1.28	7.00	1.99	11.91	2.27	9.08	0.27	0.00	0.51	0.88	4.63	5.09	12.22	0.29
2026	62.09	0.01	4.67	1.28	7.00	1.99	11.91	2.27	9.08	0.27	0.00	0.51	0.88	4.63	5.09	12.22	0.29
2036	62.09	0.01	4.67	1.28	7.00	1.99	11.91	2.27	9.08	0.27	0.00	0.51	0.88	4.63	5.09	12.22	0.29
2046	62.09	0.01	4.67	1.28	7.00	1.99	11.91	2.27	9.08	0.27	0.00	0.51	0.88	4.63	5.09	12.22	0.29
2056	62.09	0.01	4.67	1.28	7.00	1.99	11.91	2.27	9.08	0.27	0.00	0.51	0.88	4.63	5.09	12.22	0.29
2066	62.09	0.01	4.67	1.28	7.00	1.99	11.91	2.27	9.08	0.27	0.00	0.51	0.88	4.63	5.09	12.22	0.29
Power																	
Base	128.39	0.00	0.00	24.48	-5.02	0.87	0.00	0.00	0.00	0.00	0.00	49.91	0.00	52.27	0.00	0.00	5.89
2016	170.13	0.00	0.00	27.44	-5.02	0.87	0.00	0.00	0.00	0.00	0.00	49.91	0.00	91.80	0.00	0.00	5.14
2026	208.84	0.00	0.00	27.44	-5.12	10.57	9.70	0.00	0.00	0.00	0.00	49.91	9.70	91.80	0.00	0.00	14.84
2036	236.79	0.00	0.00	36.00	4.58	10.57	9.70	0.00	0.00	0.00	0.00	49.91	9.70	91.80	0.00	9.70	14.84
2046	275.59	0.00	0.00	36.00	4.58	10.57	9.70	9.70	9.70	0.00	0.00	49.91	9.70	91.80	9.70	19.40	14.84
2056	304.69	0.00	0.00	36.00	4.58	20.27	19.40	9.70	9.70	0.00	0.00	49.91	9.70	91.80	9.70	19.40	24.54
2066	304.69	0.00	0.00	36.00	4.58	20.27	19.40	9.70	9.70	0.00	0.00	49.91	9.70	91.80	9.70	19.40	24.54
Total																	
Base	243.18	0.01	4.67	64.12	24.38	-3.53	17.55	-1.87	15.71	21.51	0.00	83.86	-19.28	33.41	3.42	6.87	-7.65
2016	324.47	0.24	4.90	74.37	37.81	-4.05	18.77	-2.58	24.89	24.53	0.23	84.46	-19.50	79.43	3.65	6.93	-9.61
2026	398.68	0.27	4.93	88.29	44.92	4.43	30.34	-4.43	37.79	29.99	0.26	84.85	-11.75	76.54	3.68	6.55	2.04
2036	452.21	0.32	4.98	111.66	58.57	3.23	32.55	-6.71	40.00	36.63	0.31	84.88	-13.96	73.59	3.73	15.80	6.64
2046	516.33	0.37	5.03	125.62	63.93	1.82	35.41	0.10	51.96	44.75	0.36	84.42	-16.52	70.55	13.48	24.97	10.08
2056	568.79	0.42	5.08	139.24	68.66	10.29	48.58	-3.54	54.29	54.71	0.41	83.37	-19.49	67.41	13.53	24.32	21.52
2066	592.14	0.49	5.15	154.74	73.71	8.83	52.76	-8.08	56.71	66.98	0.48	81.58	-22.92	64.16	13.60	23.60	20.36

Projected Withdrawals by Subbasin (mgd)																	
Year	Subbasin																
	Total	Bad Creek Dam	Jocassee Dam	Keowee Dam	Hartwell Dam	Russell Dam	Thurmond Dam	Woodlawn	Stevens Creek	North Augusta	Augusta Canal Diversion	Augusta Canal Return	Augusta	Girard	Millhaven	Clyo	Below Clyo
Public Water/Wastewater Utilities																	
Base	200.81	0.00	0.00	39.88	30.55	3.54	10.33	0.00	8.47	21.24	0.00	28.16	0.00	0.00	0.00	0.91	57.73
2016	239.29	0.00	0.00	47.29	44.52	3.62	11.47	0.00	17.53	24.03	0.00	29.30	0.00	0.00	0.00	1.19	60.34
2026	299.15	0.00	0.00	61.74	52.72	3.94	13.64	0.00	30.61	29.46	0.00	31.20	0.00	0.00	0.00	1.42	74.41
2036	347.46	0.00	0.00	77.07	57.64	4.16	16.27	0.00	33.00	36.05	0.00	33.10	0.00	0.00	0.00	1.68	88.49
2046	398.23	0.00	0.00	91.54	63.68	4.39	19.48	0.00	35.47	44.12	0.00	35.00	0.00	0.00	0.00	1.98	102.57
2056	451.48	0.00	0.00	105.66	69.82	4.64	23.38	0.00	38.03	54.03	0.00	36.90	0.00	0.00	0.00	2.34	116.68
2066	510.58	0.00	0.00	121.71	76.54	4.89	28.13	0.00	40.69	66.23	0.00	38.80	0.00	0.00	0.00	2.78	130.81
Industrial																	
Base	105.02	0.00	0.00	0.00	1.35	0.18	0.00	0.00	0.00	0.00	0.00	9.38	0.00	59.73	0.00	4.98	29.39
2016	119.76	0.23	0.23	0.23	1.63	0.41	0.23	0.23	0.23	0.23	0.23	9.61	0.23	70.83	0.23	5.21	29.77
2026	121.57	0.26	0.26	0.26	1.75	0.46	0.26	0.26	0.26	0.26	0.26	9.64	0.26	71.84	0.26	5.24	30.05
2036	123.75	0.31	0.31	0.31	1.91	0.53	0.31	0.31	0.31	0.31	0.31	9.69	0.31	72.88	0.31	5.29	30.35
2046	125.97	0.36	0.36	0.36	2.10	0.60	0.36	0.36	0.36	0.36	0.36	9.74	0.36	73.94	0.36	5.34	30.66
2056	128.25	0.41	0.41	0.41	2.31	0.68	0.41	0.41	0.41	0.41	0.41	9.79	0.41	75.02	0.41	5.39	30.97
2066	130.92	0.48	0.48	0.48	2.58	0.78	0.48	0.48	0.48	0.48	0.48	9.86	0.48	76.14	0.48	5.46	31.30
Agriculture/Irrigation																	
Base	62.09	0.01	4.67	1.28	7.00	1.99	11.91	2.27	9.08	0.27	0.00	0.51	0.88	4.63	5.09	12.22	0.29
2016	62.09	0.01	4.67	1.28	7.00	1.99	11.91	2.27	9.08	0.27	0.00	0.51	0.88	4.63	5.09	12.22	0.29
2026	62.09	0.01	4.67	1.28	7.00	1.99	11.91	2.27	9.08	0.27	0.00	0.51	0.88	4.63	5.09	12.22	0.29
2036	62.09	0.01	4.67	1.28	7.00	1.99	11.91	2.27	9.08	0.27	0.00	0.51	0.88	4.63	5.09	12.22	0.29
2046	62.09	0.01	4.67	1.28	7.00	1.99	11.91	2.27	9.08	0.27	0.00	0.51	0.88	4.63	5.09	12.22	0.29
2056	62.09	0.01	4.67	1.28	7.00	1.99	11.91	2.27	9.08	0.27	0.00	0.51	0.88	4.63	5.09	12.22	0.29
2066	62.09	0.01	4.67	1.28	7.00	1.99	11.91	2.27	9.08	0.27	0.00	0.51	0.88	4.63	5.09	12.22	0.29
Power																	
Base	133.78	0.00	0.00	24.48	0.10	0.87	0.00	0.00	0.00	0.00	0.00	49.91	0.00	52.27	0.00	0.00	6.16
2016	175.52	0.00	0.00	27.44	0.10	0.87	0.00	0.00	0.00	0.00	0.00	49.91	0.00	91.80	0.00	0.00	5.41
2026	214.23	0.00	0.00	27.44	0.00	10.57	9.70	0.00	0.00	0.00	0.00	49.91	9.70	91.80	0.00	0.00	15.11
2036	242.18	0.00	0.00	36.00	9.70	10.57	9.70	0.00	0.00	0.00	0.00	49.91	9.70	91.80	0.00	9.70	15.11
2046	280.98	0.00	0.00	36.00	9.70	10.57	9.70	9.70	9.70	0.00	0.00	49.91	9.70	91.80	9.70	19.40	15.11
2056	310.08	0.00	0.00	36.00	9.70	20.27	19.40	9.70	9.70	0.00	0.00	49.91	9.70	91.80	9.70	19.40	24.81
2066	310.08	0.00	0.00	36.00	9.70	20.27	19.40	9.70	9.70	0.00	0.00	49.91	9.70	91.80	9.70	19.40	24.81
Total																	
Base	501.70	0.01	4.67	65.64	39.00	6.58	22.23	2.27	17.55	21.51	0.00	87.96	0.88	116.63	5.09	18.11	93.57
2016	596.66	0.24	4.90	76.24	53.25	6.89	23.61	2.50	26.84	24.53	0.23	89.33	1.11	167.26	5.32	18.62	95.81
2026	697.04	0.27	4.93	90.72	61.47	7.16	25.11	2.73	28.33	26.26	0.26	91.26	1.14	168.27	5.35	18.88	97.16
2036	775.48	0.32	4.98	114.66	76.25	7.49	26.64	2.96	30.31	28.19	0.29	93.19	1.17	169.28	5.38	19.14	98.51
2046	867.28	0.37	5.03	129.18	82.48	7.80	28.15	3.19	32.80	30.68	0.32	95.12	1.20	170.29	5.41	19.40	100.00
2056	951.91	0.42	5.08	143.35	88.83	8.11	29.66	3.42	34.72	32.60	0.35	97.05	1.23	171.30	5.44	19.66	101.49
2066	1,013.68	0.49	5.15	159.47	95.82	8.42	31.17	3.65	36.63	34.51	0.38	99.08	1.26	172.31	5.47	19.92	102.98

Projected Returns by Subbasin (mgd)																	
Year	Subbasin																
	Total	Bad Creek Dam	Jocassee Dam	Keowee Dam	Hartwell Dam	Russell Dam	Thurmond Dam	Woodlawn	Stevens Creek	North Augusta	Augusta Canal Diversion	Augusta Canal Diversion Return	Augusta	Girard	Millhaven	Clyo	Below Clyo
Public Water/Wastewater Utilities																	
Base	107.89	0.00	0.00	1.52	7.63	7.36	3.40	4.14	1.84	0.00	0.00	3.39	9.43	32.18	0.00	4.37	32.64
2016	117.75	0.00	0.00	1.87	8.38	8.14	3.45	5.08	1.94	0.00	0.00	4.16	9.37	35.74	0.00	4.82	34.79
2026	138.22	0.00	0.00	2.43	9.40	9.63	3.65	6.96	2.16	0.00	0.00	5.70	10.35	38.42	0.00	5.47	44.04
2036	156.34	0.00	0.00	2.99	10.37	10.97	3.96	9.29	2.39	0.00	0.00	7.62	11.44	41.09	0.00	6.22	49.99
2046	175.72	0.00	0.00	3.56	11.03	12.45	4.17	12.23	2.64	0.00	0.00	10.03	12.64	43.77	0.00	7.10	56.11
2056	197.65	0.00	0.00	4.11	12.39	13.67	4.43	15.92	2.93	0.00	0.00	13.03	13.97	46.44	0.00	8.16	62.60
2066	223.03	0.00	0.00	4.73	13.97	14.98	4.81	20.53	3.24	0.00	0.00	16.79	15.44	49.12	0.00	9.39	70.02
Industrial																	
Base	145.24	0.00	0.00	0.00	1.86	2.75	1.29	0.00	0.00	0.00	0.00	0.71	10.73	51.04	1.67	6.87	68.31
2016	149.05	0.00	0.00	0.00	1.93	2.80	1.39	0.00	0.00	0.00	0.00	0.71	11.24	52.08	1.67	6.87	70.36
2026	154.75	0.00	0.00	0.00	2.04	2.90	1.52	0.00	0.00	0.00	0.00	0.71	12.23	53.31	1.67	6.87	73.50
2036	161.55	0.00	0.00	0.00	2.19	3.05	1.68	0.00	0.00	0.00	0.00	0.71	13.41	54.63	1.67	6.87	77.34
2046	169.84	0.00	0.00	0.00	2.40	3.28	1.87	0.00	0.00	0.00	0.00	0.71	14.82	56.05	1.67	6.87	82.17
2056	180.08	0.00	0.00	0.00	2.66	3.62	2.09	0.00	0.00	0.00	0.00	0.71	16.51	57.60	1.67	6.87	88.36
2066	193.12	0.00	0.00	0.00	3.02	4.12	2.35	0.00	0.00	0.00	0.00	0.71	18.53	59.29	1.67	6.87	96.56
Agriculture/Irrigation																	
Base	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2016	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2026	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2036	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2046	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2056	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2066	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Power																	
Base	5.39	0.00	0.00	0.00	5.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27
2016	5.39	0.00	0.00	0.00	5.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27
2026	5.39	0.00	0.00	0.00	5.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27
2036	5.39	0.00	0.00	0.00	5.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27
2046	5.39	0.00	0.00	0.00	5.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27
2056	5.39	0.00	0.00	0.00	5.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27
2066	5.39	0.00	0.00	0.00	5.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27
Total																	
Base	258.52	0.00	0.00	1.52	14.61	10.11	4.69	4.14	1.84	0.00	0.00	4.10	20.16	83.22	1.67	11.24	101.22
2016	272.19	0.00	0.00	1.87	15.43	10.94	4.84	5.08	1.94	0.00	0.00	4.87	20.61	87.83	1.67	11.69	105.42
2026	298.36	0.00	0.00	2.43	16.56	12.53	5.17	6.96	2.16	0.00	0.00	6.41	22.58	91.73	1.67	12.33	117.82
2036	323.27	0.00	0.00	2.99	17.68	14.02	5.64	9.29	2.39	0.00	0.00	8.33	24.85	95.72	1.67	13.09	127.60
2046	350.95	0.00	0.00	3.56	18.55	15.73	6.04	12.23	2.64	0.00	0.00	10.74	27.46	99.82	1.67	13.97	138.54
2056	383.12	0.00	0.00	4.11	20.17	17.29	6.52	15.92	2.93	0.00	0.00	13.74	30.48	104.04	1.67	15.03	151.23
2066	421.54	0.00	0.00	4.73	22.11	19.10	7.16	20.53	3.24	0.00	0.00	17.50	33.97	108.41	1.67	16.26	166.85