

Las Vegas Wash Capital Improvements Plan

May 17, 2018



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Las Vegas Wash Capital Improvements Plan

1.0 Introduction

1.1 Purpose

The Lower Las Vegas Wash (Wash), in Clark County, Nevada, is the primary urban runoff, wastewater and floodwater outlet from the Las Vegas Valley into Lake Mead and the Colorado River. The Wash is considered a critical component in the many environmental and water resource issues facing Southern Nevada today. This Southern Nevada Water Authority Las Vegas Wash Capital Improvements Plan (Wash CIP) presents a summary of planned capital expense activities necessary to support long-term enhancement and management of the Wash.

1.2 Background

Since 1975, the Wash has undergone significant erosion and degradation due to increasing flows resulting from expanding upstream urbanization in the Las Vegas Valley. To combat the changes in the Wash, the Las Vegas Wash Coordination Committee (LVWCC), a 29-member interagency group of federal, state, and local agencies, and private interests, was formed and has developed a Comprehensive Adaptive Management Plan (CAMP). The Southern Nevada Water Authority (SNWA) Board of Directors approved the CAMP in April 2000.

Of 44 recommendations, the CAMP identifies erosion control and stream stabilization of the Wash as one of the highest recommended priority efforts. To accomplish this goal, in 2002, a Cooperative Agreement was signed between the local government agencies considered major stakeholders in the Wash. In 2012, the Cooperative Agreement was amended and retitled as the "First Amended Agreement Regarding the Las Vegas Valley Watershed Advisory Committee" (Amended Agreement). As described in the Amended Agreement, the SNWA has been designated by the members of the Las Vegas Valley Watershed Advisory Committee (LVVWAC), as the lead agency to coordinate and manage the enhancement of the Wash. Among many assigned tasks, the SNWA is responsible for maintaining this Wash CIP.

The Amended Agreement establishes the LVVWAC to provide advice and consultation to SNWA on issues regarding this Wash CIP. Local government agency members of the LVVWAC include:

- City of Las Vegas
- City of Henderson
- City of North Las Vegas
- Clark County
- Las Vegas Valley Water District
- Clark County Water Reclamation District
- Clark County Regional Flood Control District
- Southern Nevada Water Authority

2.0 Plan Scope

2.1 General Scope

This Wash CIP covers the geographical area of the Wash from the City of Las Vegas Wastewater Treatment Plant to the western boundary of the Lake Mead National Recreational Area. The Wash CIP is intended to describe all presently identified construction and construction support projects supporting the management and enhancement of the Wash. Project elements included in this Wash CIP include:

- Channel bed and bank stabilization;
- Revegetation; and
- Comprehensive programs.

The purpose of channel bed stabilization is to reduce channel bed erosion by slowing stream flow to less erosive conditions while providing a stable platform for vegetation reestablishment. Gradient control weirs or dams are planned for installation to accomplish the stabilization needs. Channel bank protection installations are planned to be completed as a part of channel bed stabilization projects, and focus on reducing the ability of Wash flows to undercut, erode and collapse channel banks. Capital expenditures for bank protection will include installation of rock or concrete riprap armor and revegetation of stream banks, where appropriate.

Revegetation of the Wash channel bed, banks, disturbed overbank locations and floodplain areas will provide surface erosion protection, aid ecosystem restoration, support water quality goals and meet environmental permitting requirements. Revegetation activities may include wetlands or dry land revegetation, installation of temporary irrigation systems and establishment of vegetation protection measures.

Comprehensive programs include design and support activities serving multiple capital projects or the Wash as a whole. Activities under this element may include acquisition of rock and concrete materials for use as riprap, installation of construction access roads, location of materials storage sites, long term dust control practices, sediment and sediment transport studies, hydraulic studies, topographic mapping, water quality monitoring, stream gauging, and other supporting capital expense activities which are necessary to support construction efforts.

2.2 Facility Information

The following information pertaining to specific facilities is presented in this Wash CIP:

- General description and location of each planned facility;
- Anticipated construction schedules;
- Estimated cost of each proposed facility;
- Proposed funding mechanism(s) for each facility in the Work Plan;
- Total projected Wash CIP cost in current and midpoint dollars;
- Cash flow forecasts by year; and
- A list of SNWA operated and maintained facilities.

3.0 Organization

General information regarding the background, scope, approval process, current revenues, anticipated expenditures, prioritization, and funded Project Work Plan are presented in this Wash CIP report. Specific details defining anticipated projects, project costs, implementation schedules, prioritization analysis, and other information are included as appendices to this Wash CIP.

All identified, individual projects requiring expenditure of capital funds are described in the Appendix A as Candidate Projects to this Wash CIP. A unique project number and letter designation and a location name describe each project. Channel bank protection and revegetation projects are named and project numbers are assigned with a letter designation which conforms to the name of the next downstream channel bed stabilization facility to which they are associated.

4.0 Plan Implementation

4.1 Cooperative Agreement

In 2002, SNWA entered into a Cooperative Agreement pertaining to the long-term management and enhancement of the Wash with Clark County, City of Las Vegas, City of Henderson, City of North Las Vegas, Clark County Water Reclamation District, and Clark County Regional Flood Control District. The current Amended Agreement establishes roles and responsibilities for the above agencies in managing the Wash. The development, review, and update of this Wash CIP are identified in the Amended Agreement as a responsibility of the SNWA. The Amended Agreement further defines the contents of the Wash CIP as presented herein.

4.2 Annual Plan Review

The SNWA annually reviews, reaffirms, or revises the Wash CIP, as necessary to meet the goals and requirements of the Amended Agreement. In performing the annual review, the SNWA consults with the local agency stakeholders to the Wash through the Operations Study Team of the LVWCC and through the LVVWAC.

SNWA's consultation with local agency stakeholders and revisions to the Wash CIP focus upon current changes in priority, planning, design, cost, funding, and/or capital needs associated with the elements of the Wash CIP. Revisions to the Wash CIP reflect the elimination of capital items previously completed or revisions proposed by a party to the Amended Agreement and agreed to by the LVVWAC.

Upon revision by SNWA and approval by the LVVWAC, the annual Wash CIP update is submitted to the SNWA Board of Directors for review and action.

4.3 Funding Approval

As appropriate, SNWA prepares and submits Wash CIP funding agreements to the LVVWAC for review. Funding agreements prepared and submitted by SNWA may also define the process whereby entities other than the parties to the Amended Agreement may either fund or contribute to the Wash CIP.

Subsequent to the LVVWAC's review of funding agreements, SNWA submits the funding agreements to each of the local governmental agencies comprising the LVVWAC for consideration and possible approval by their respective Governing Boards as a part of the individual Party's overall budgeting process.

5.0 Funding and Expenditures

5.1 Funding-To-Date

Sales Tax and Grant Funding: The Wash CIP has been partially funded through receipt of local sales tax revenues. The Wash currently receives four percent (4%) of a ¼ cent sales tax allocated for funding water and wastewater projects in Clark County. The Wash has also received capital grant funding commitments from the Southern Nevada Public Lands Management Act (SNPLMA).

Other Local Agency Funding: In addition to local sales tax revenues and SNPLMA grants, the Wash CIP has received funding or funding commitments from other local agencies through in-kind construction activities or direct funding to SNWA.

Interfund Loans: Periodically, projected, near-term capital expenses for construction of stabilization facilities in the Wash will exceed available cash on hand generated from sales tax and grant funding. In these cases, the Wash CIP will borrow money from SNWA's New Expansion Debt Service fund account, as available.

Funding and funding sources to-date are shown in Table 1 below:

Table 1
Funding-to-Date
1999 – FY 2017/2018

	E	stimated	
Funding Source	Funding-to-Date		%
Sales Tax (Includes Actuals through December 2017 and Estimates through June 2018)	\$	59,686,568	41.2
US Bureau of Reclamation Grants	\$	5,979,224	4.1
SNPLMA Funding (Actuals through FY 17 and estimates for FY18)	\$	55,467,765	38.3
Miscellaneous State and Federal Grants	\$	445,500	0.3
Other Local Agency Funding	\$	15,004,000	10.4
Estimated Outstanding Interfund Loan as of June 30, 2018	\$	8,266,142	5.7
Total:	\$	144,809,199	100.0

5.2 Expenditures

5.2.1 Expenditures-To-Date

From 1999 through June 2018, Wash CIP total expenditures have been as shown in Table 2 below. These expenditures include contributions by other stakeholder agencies for capital improvements to the Wash.

Other stakeholder agency expenditures have included: Clark County, design and construction of the Pabco Road Weir at approximately \$5,700,000; Lake Las Vegas Resort, design and construction of the Fire Station Weir at approximately \$63,000; SNWA Water CIP, design and construction of the Rainbow Gardens Weir as part of the East Valley Water Lateral crossing of the Wash, at approximately \$7,238,000; SNWA and City of Henderson construction of Demonstration Weir, at approximately 173,000; construction of Historic Lateral Weir, at approximately \$1,823,000; and US Bureau of Reclamation construction activities.

Expenditures include repayment with interest, of funds borrowed from the New Expansion Debt Service fund account.

Capital construction expenditures to-date are shown in Table 2 below:

Table 2
Total Expenditures-to-Date
1999 – FY 2017/2018

		Total	
Program	Expen	ditures-to-Date	%
Channel Stabilization	\$	130,317,317	91.1
Revegetation	\$	2,115,873	1.5
Comprehensive Programs	\$	8,426,100	5.9
Interfund Borrowing Interest Repayments (Actuals through FY17 and Estimate for FY18)	\$	2,223,087	1.5
Total:	\$	143,082,377	100.0

5.2.2 Future Expenditures

Current projections of future capital expenditures for the Wash CIP are detailed in the Construction Program Master Plan shown in Appendix C. Projected expenditures are shown in both current dollars and projected expenses, accelerated to future construction mid-point dollar cost, based upon an estimated current three percent (3%) annual growth. Funding commitments for individual projects will be based upon availability of funds at the time the commitment is made. Estimated capital expenditures are summarized in Table 3 below:

Table 3
Projected Expenditures
2017/2018-2020/2021 (Present \$)

Wash CIP Component	Projected openditures	%
Channel Stabilization	\$ 6,300,000	68.4
Revegetation Programs	\$ 1,469,003	15.9
Comprehensive Programs	\$ 300,000	3.3
Interest Expense	\$ 1,141,203	12.4
Total Projected Expenditures:	\$ 9,210,206	100.0

6.0 Priority Assessment

The Operations Study Team of the LVWCC has developed a methodology for prioritization of each proposed gradient control and bank protection capital expenditure in the Wash. Rating factors utilized in establishing proposed project priorities are described in Appendix E of this plan.

Unless otherwise noted, bank protection capital investments will occur during implementation of the next downstream gradient control facility. Where severe bank erosion is occurring, stabilization may precede downstream gradient control implementation. Revegetation investments normally follow channel bed and bank stabilization, where practical. Unless otherwise noted, revegetation projects are planned for implementation following channel stabilization projects and are not shown in a separate priority evaluation within this Wash CIP.

Over the long-term life of the Wash CIP, priorities may change as need, funding, and other issues arise. Therefore SNWA, acting through the Operations Study Team and the LVVWAC, will annually review the prioritization schedule, evaluation criteria, proposed candidate project list, and available funding to assess current priorities. A summary of the criteria applied to assess prioritization, as developed by the Operations Study Team, and as approved by the LVVWAC are as follows:

- Upstream Stability
- System Relationship
- Water Quality Enhancement
- Recreational Opportunity
- Public Safety
- Regulatory Permitting Requirements
- Access
- Cost Avoidance
- Availability of Other Funding

Detailed descriptions of these criteria are found in Appendix F of this plan.

Annually, the SNWA staff calculates priority values for each proposed project based upon the prioritization criteria outlined herein. These values and proposed project rankings are then reviewed, discussed, and/or modified by the Operations Study Team of the LVVWAC. Project activity is then scheduled, as much as practical, to follow priority rankings described in Appendix E. Issues such as land ownership, construction conflict, potential cost savings in grouping several projects together under a single construction contract, and similar issues may cause some projects of lower priority to be scheduled for construction in conjunction with higher priority projects.

After SNWA develops a proposed project implementation schedule, the draft priority and project rankings are submitted to the Operations Study Team of the LVWCC for further review and/or modification. SNWA then publishes those findings in annual updates of the Wash CIP and submits the update to the LVVWAC and SNWA Board of Directors for review and action.

7.0 2018-19 Project Work Plan

The Project Work Plan presented in Appendix A, represents a series of projects scheduled for activity during the next two years for which funding sources have been or are expected to be identified. The funding for individual capital projects will come from revenues generated from sales taxes. Funding commitments for individual projects will be based upon availability of funds at the time the commitment is made. The Project Work Plan is a sub-set of the Construction Program Master Plan detailed in Appendix C.

The Project Work Plan budget is based upon current estimates of present cost and projected actual cost, accelerated to anticipated midpoints of design and construction period activities. Project costs may change depending upon final design configuration, modified design criteria, or construction prices at the time of construction bidding. Where construction cost estimates or bids exceed expected revenues at the scheduled time of construction, a project may be delayed to a future time when revenues become available. Where expenditures are found to be less than available funding, with LVVWAC approval, additional candidate projects may be incorporated into the Project Work Plan for implementation.

8.0 Ownership

The planned erosion control facilities lie within the boundaries of the Clark County Wetlands Park. Consistent with the Amended Agreement, SNWA will transfer ownership to Clark County of stabilization facilities, including channel stabilization facilities, revegetated areas, and other facilities when deemed appropriate by the SNWA and Clark County.

9.0 Operations and Maintenance

In accordance with the Amended Agreement, SNWA operates and maintains Wash facilities, including channel stabilization projects and revegetated areas described in this Wash CIP and Project Work Plan until such time that ownership is transferred to Clark County.

The SNWA conducts these activities in conformance with the Operations and Maintenance Plan for the Wash. Currently, SNWA's operations and maintenance activities are financed through assessments levied to individual LVVWAC member agencies, through the utilization of Bureau of Reclamation construction grant funding or through flood control maintenance funds allocated to SNWA by Clark County.

Appendix A 2018-19 Work Plan Budget Allocation

2018/2019 Las Vegas Wash Capital Improvements Plan

2018-19 WORK PLAN BUDGET ALLOCATION

		Project	Project						
Proj.		Start	Finish						Total
No.	Project Title	Date	Date	18/19	19/20	20/21	21/22	22/23	Project Cost
	<u>Design</u>	Dute	Dute	10/10	10/20	20/21	21/22	22,20	
	<u>= = = = = = = = = = = = = = = = = = = </u>								
	Design, Total:								\$0
	Construction								
810C	Historic Lateral Weir	7/1/2017	7/30/2019	\$3,300,000					\$3,300,000
810W	Sunrise Mountain Weir	7/1/2017	7/30/2019	\$2,700,000					\$2,700,000
810S	Tropicana Weir	10/1/2016	7/31/2018	\$300,000					\$300,000
	Constrution, Total:			\$6,300,000	\$0	\$0			\$6,300,000
	Revegetation								
880K	Three Kids Weir	9/1/2015	8/30/2020	\$92,527	\$42,527				\$135,054
880U	Silver Bowl Weir	9/1/2015	8/30/2019	\$156,984					\$156,984
880Z	Archery Weir	9/1/2015	8/30/2019	\$0					\$0
880C	Historic Lateral Weir	8/1/2019	10/1/2020		\$216,727	\$87,985			\$304,712
880W	Sunrise Mountain Weir	8/1/2019	10/1/2020		\$219,762	\$40,703			\$260,465
880S	Tropicana Weir	5/1/2018	9/30/2019	\$353,879	\$209,521				\$563,400
	Revegetation Total:			\$603,390	\$688,537	\$128,688	\$0		\$1,420,615
	Comprehensive Programs								
860V	BOR Materials and Equipment	1/1/2017	3/30/2019	\$300,000					\$300,000
	Comprehensive, Total:			\$300,000	\$0	\$0		\$0	\$300,000
	Work Plan Cost Summary								
	Design								\$0
	Construction			\$6,300,000	\$0	\$0	\$0		\$6,300,000
	Revegetation			\$603,390	\$688,537	\$128,688	\$0	\$0	\$1,420,615
					4.0	4.0	**		
	Comprehensive			\$300,000	\$0	\$0	\$0		\$300,000
	Interest Frances			¢557,222	6205 444	6100 727			Ć1 144 202
	Interest Expense			\$557,322 \$7,760,712	\$395,144	\$188,737	60	ćo	\$1,141,203
	Total Program:			\$7,760,712	\$1,083,681	\$317,425	\$0	\$0	\$9,161,818
<u></u>									

Appendix B Project Descriptions

Project Descriptions

Project Title:	Historic Lateral Weir	Project Number:	810C
		Project Status:	Construction

Project Description:

The existing Historic Lateral Weir was constructed as SNWA Project 910AR in 2000. This facility is located at the site of the first Las Vegas Valley Water Lateral crossing of the Las Vegas Wash. This 600 foot long, 10 foot high, rock riprap structure provides channel bed stabilization upstream to the Pabco Road Weir. This project will increase hydraulic capacity and provide channel bed stabilization to the downstream C-1 Channel outfall. This Project will be funded by sales tax revenues.

Project Title:	Tropicana Weir	<u>Project Number:</u>	810S
		Project Status:	Construction

Project Description:

This facility is planned to be located immediately downstream of the Tropicana Channel and Las Vegas Wash confluence, at the Clark County Nature Preserve. The facility will be 10 feet in height and 320 feet long. This Project will be funded by sales tax revenues.

Project Title:	Sunrise Mountain Weir	<u>Project Number:</u>	810W
		Project Status:	Construction

Project Description:

This facility will be located approximately 0.4 mile upstream of the Pabco Road Weir. This 500 foot long facility will stabilize four feet of potential channel headcut erosion. This Project will be funded by sales tax revenues.

Project Descriptions

Project Title:	Flood Repair Allocation	Project Number:	860P
		Project Status:	Planned

Project Description:

Large flood events may damage existing stabilization facilities or create damage elsewhere in the Las Vegas Wash. This project will allow for the construction repair of stabilization facilities following major flood events where further damage to SNWA stabilization facilities will limit the ability of the facilities to function as intended. This Project will be funded by sales tax revenues.

Project Title:	Historic Lateral Weir	Project Number:	880C
	Revegetation	Project Status:	Programmed

Project Description:

This project is intended to replace wetlands and other vegetation removed during weir construction, stabilize the stream banks, provide erosion control and habitat benefits. This Project will be funded by sales tax revenues.

Project Title:	Three Kids Weir Revegetation	<u>Project Number:</u>	880K
		Project Status:	Constrcution

Project Description:

This project is intended to replace wetlands and other vegetation removed during weir construction, stabilize the stream banks, provide erosion control and habitat benefits. This Project is being funded by SNPLMA grants and sales tax revenues.

Project Descriptions

Project Title:	Tropicana Weir Revegetation		<u>Project Number:</u>	880S
			Project Status:	Construction
		<u>-</u>	_	

Project Description:

This project is intended to replace wetlands and other vegetation removed during weir construction, stabilize the stream banks, provide erosion control and habitat benefits. This Project will be funded by sales tax revenue.

Project Title: Silve	er Bowl Weir Revegetation	Project Nu	mber:	880U
		<u>Project S</u>	tatus:	Construction

Project Description:

This project is intended to replace wetlands and other vegetation removed during weir construction, stabilize the stream banks, provide erosion control and habitat benefits. This Project is being funded by SNPLMA grants and sales tax revenues.

Project Title:	Sunrise Mountain Weir Revegetation	<u>Project Number:</u>	880W
		Project Status:	Programmed

Project Description:

This project is intended to replace wetlands and other vegetation removed during weir construction, stabilize the stream banks, provide erosion control and habitat benefits. This Project will be funded by sales tax revenues.

Project Title:	Archery Weir Revegetation	<u>Project Number:</u>	880Z
		<u>Project Status:</u>	Construction

Project Description:

This project is intended to replace wetlands and other vegetation removed during weir construction, stabilize the stream banks, provide erosion control and habitat benefits. This Project will be funded by sales tax revenues.

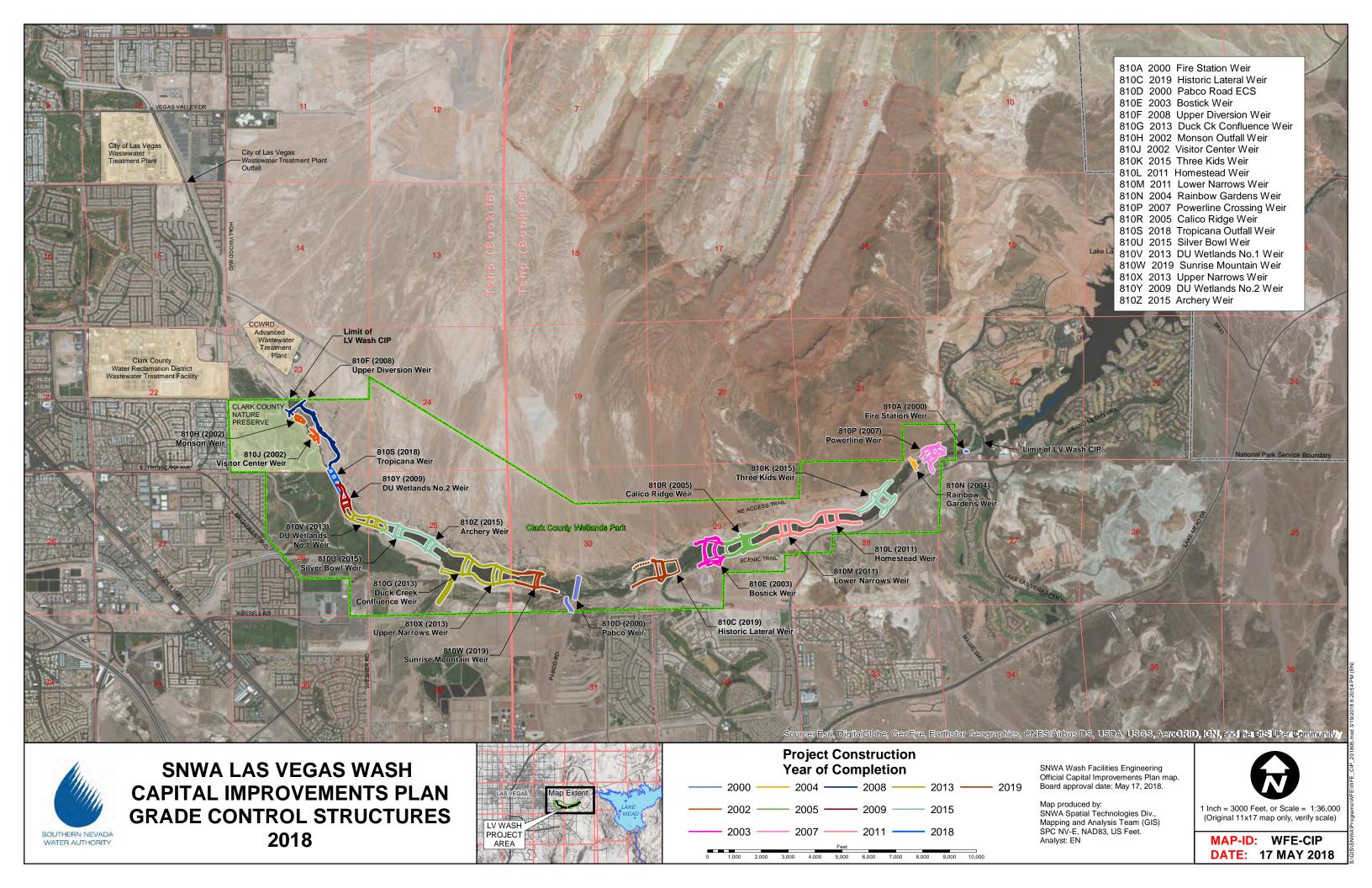
Appendix C 2018/2019 Las Vegas Wash Construction Program Master Plan

Fiscal Year 2018/2019 Las Vegas Wash Construction Program Master Plan

Design	Project Name	Start	Finish	Present Value	Future Value	FY18/19	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	FY24/25	Total
			TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -
Construction	Project Name	Start	Finish	Present Value	Future Value	FY18/19	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	FY24/25	Total
810C	Historic Lateral Weir	6/1/2016	3/30/2018	\$ 3,300,000	\$ 3,300,000	\$ 3,300,000		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,300,000
810W	Sunrise Mountain Weir	6/1/2016	3/30/2018	\$ 2,700,000	\$ 2,700,000	\$ 2,700,000		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,700,000
8105	Tropicana Weir	7/1/2016	8/31/2017	\$ 300,000	\$ 300,000	\$ 300,000	\$ -			\$ -	\$ -	\$ -	\$ 300,000
			TOTAL	\$ 6,300,000	\$ 6,300,000	\$ 6,300,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,300,000
Revegetation	Project Name	Start	Finish	Present Value	Future Value	FY18/19	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	FY24/25	Total
						\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
880K	Three Kids Weir	9/1/2015	8/30/2017	\$ 242,581	\$ 242,581	\$92,527	\$42,527	\$107,527	\$ -	\$ -	\$ -	\$ -	\$ 242,581
880U	Silver Bowl Weir	9/1/2015	8/30/2017	\$ 313,968	\$ 313,968	\$156,984	\$156,984	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 313,968
880Z	Archery Weir	9/1/2015	8/30/2017	\$ 176,492	\$ 176,492	\$88,246	\$88,246	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 176,492
880C	Historic Lateral Weir	6/1/2018	8/31/2019	\$ 128,334	\$ 128,334	\$ -	\$94,112	\$34,222	\$ -	\$ -	\$ -	\$ -	\$ 128,334
880W	Sunrise Mountain Weir	6/1/2018	8/31/2019	\$ 132,474	\$ 132,474	\$ -	\$97,147	\$35,327	\$ -	\$ -	\$ -	\$ -	\$ 132,474
880S	Tropicana Weir	10/1/2018	9/30/2019	\$ 475,154	\$ 475,154	\$265,633	\$209,521	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 475,154
			TOTAL	\$ 1,469,003	\$ 1,469,003	\$ 603,390	\$ 688,537	\$ 177,076	\$ -	\$ -	\$ -	\$ -	\$ 1,469,003
Comprehensive	Project Name	Start	Finish	Present Value	Future Value	FY18/19	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	FY24/25	Total
860P	Flood Repair Allocation	1/2/2015	1/1/2017						\$ -	\$ -	\$ -	\$ -	\$ -
860V	BOR Materials & Equipment	2/10/2015	3/11/2017	\$ 300,000	\$ 300,000	\$ 300,000		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 300,000
			TOTAL	\$ 300,000	\$ 300,000	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 300,000
	TOTAL FY 18/19 WASH CIF			\$ 8,069,003	\$ 8,069,003	\$ 7,203,390	\$ 688,537	\$ 177,076	\$ -	\$ -	\$ -	\$ -	\$ 8,069,003

2018 Las Vegas Wash CIP - Appendix C

Appendix D Location Map



Appendix E Ranking Criteria Scoring Channel Bed Stabilization

2018 - 19 Capital Improvements Plan Ranking Criteria Scoring Channel Bed Stabilization

		Criteria Score										٦											
Factor	Criteria	Score	Fire Station	Powerline Crossing	Rainbow Gardens	Three Kids Weir	Homestead	Lower Narrows	Calico Ridge	Bostick	c Lateral		ية	ows	Duck Creek	Archery	Silverbowl	DU Wetlands 1	DU Wetlands 2	Tropicana	Visitor Center	Monson	Upper Diversion
Upstream	Active headcutting risking upstream channel, structures, or banks	5		5	5 5	5	5	5	5	5	5	5		5	5	5		5	5				5
Stability	Moderate headcutting in silty or sandy channel bed, some bank stability threat	3	3										3				3				3	3	
	Slow headcutting in caliche or bedrock, little bank stability threat	1																		1			
System	Provides important foundation or stability support for other facilities	5	5	5	5	5	5	5	5	5	5	5		5		5	5	5	5	5	5	5	5
Relationship	Provides moderate foundation or stability support to other Wash features	3											3		3								
	Provides minor or no foundation or stability support to other facilities	1																					
Cost	Will reduce capital cost of other facilities or is a low maintenance facility	5	5	5	5	5	5	5		5	5	5	5		5	5	5	5	5	5			5
Avoidance	Provides minor capital cost savings for other facilities or minor annual maintenance expected	3							3					3							3	3	
	Provides no reduction in capital cost for other facilities, high maintenance expected	1																					
Water	Provides large volume for sediment capture or 5 or more acres potential wetlands area	5			5	5	5	5		5	5				5								
Quality	Provides minor volume of sediment capture or 3 or more acres potential wetlands area	3	3	3	3							3	3	3		3	3	3	3				3
	Provides little or no volume for sediment capture or less than 1 acre of potential wetlands area	1							1											1	1	1	
Ecosystem	Provides platform for ecosystem enhancement covering greater than 5 acres	5			5	5	5	5		5	5	5			5				5				
Enhancement	Provides platform for ecosystem enhancement covering greater than 3 acres	3	3	3	3								3	3		3	3	3		3			3
	Provides platform for ecosystem enhancement covering 1 acre or more	1							1	_	_	_	4	4	_	_	\Box	4	_	4	1	1	
Recreational	Directly reduces threat to recreational features	5		5	;	5	5	5							5				5		5	5	5
Opportunities	Provides possible threat reduction to recreational features	3			3					3	3	3		3		3	3	3		3			
	Provides little or no threat reduction to recreational features	1	1						1				1				\Box	_				4	
Public	Is strongly beneficial to public safety associated with activities in the Wash	5				5	5	5				5								5	5	5	5
Safety	Provides some improvement to public safety associated with activities in the Wash	3		3	3				3	3	3		3	3	3			3	3				
	Provides little improvement to public safety associated with activities in the Wash	1	1		<u> </u>									4		1	1	_				4	
Permitting	Relatively minor permitting issues to be resolved	5	5			5	5		5	5			5	5				5	5		5	5	
	Wetlands, WQ, Wildlife, or Archeological issues exist and clearance required	3		3	3			3			3				3	3				3			3
	A sensitive site requiring mitigation or high level of protection	1			_							1		_			1	_	_	_	_	4	
ROW &	Local Government Ownership, relatively easy acquisition	5		5	5 5		5	5		5	5	5		5	5	5	5	5	5	5	5	5	5
Access	Federal Ownership, requiring federal review and approval	3							3				3										
	Private Ownership requiring extended negotiations	1	1			1						_										4	
Other	other local, state, or federal funding assistance for > 50% of project cost	5	5	5	5 5	5	5	5	5		5	5							5		5	5	5
Funding	Identified possibility for additional local, state, federal funding assistance for > 25% of project	3												3	3		3	3					
	No additional funding assistance identified beyond local sales tax revenues or < 25% project	1								1			1			1				1			

= In Construction or Completed

2018 Las Vegas Wash CIP - Appendix E 02/12/2018

Appendix F 2018-19 Project Prioritization Channel Bed Stabilization

2018 - 19 Project Prioritization Channel Bed Stabilization

	1																		I	I
				_			_	Pric	rity Fa	cto	r and We	eight I	1		-		1	-		ίο O
	Channel	Facility	Stability		Relationship	Cost Avoidance		WQ Enhancement		Echosystem Enhancement	Recreational Benefit		Public Safety		Permitting	ROW & Access	Other Funding	Priority Value	Ranking	In Construction or Complete
Facility Description	Station	ID		5	5	5	L	3.5		3.5	3.5	<u> </u>	3.5		2.5	2.5	2.5			
Lower Narrows	9470	810M	5 2	5	25	5 25	5	17.5	5 1	7.5	5 17.5	5	17.5	3	7.5	5 12.5	5 12.5	177.5		х
Homestead	6740	810L	5 2	5	25	5 25	5	17.5	5 1	7.5	5 17.5	5	17.5	3	7.5	5 12.5	5 12.5	177.5		х
Three Kids Weir	5150	810K	5 2	5	25	5 25	5	17.5	5 1	7.5	5 17.5	5		5 1	2.5	1 2.5	5 12.5	172.5		х
Historic Lateral	15400	810C (910AR)	5 2	5		5 25	5		5	\neg	3 10.5	3		3		5 12.5	5			х
Rainbow Gardens	3120	810N (170A)	5 2	5		5 25	5	17.5	5	\neg	3 10.5	3		3		5 12.5	5	163.5		х
Upper Diversion	35650	810F	5 2	5		5 25	3		3		5 17.5	5		3		5 12.5	5			х
Pabco Road	20000	810D	5 2	5		5 25	3	10.5	5		3 10.5	5		1		5 12.5	5			х
Bostick Weir	13300	810E	5 25.	5	25.0	5	5		5		3 10.5	3		5		5 12.5	1			х
Powerline Crossing	1950	810P	5 2	5	25	5 25	3	10.5	3		5 17.5	3		3		5 12.5	5			х
DU Wetlands 1	29500	810V	5 2	5		5 25	3		3	\neg	3 10.5	3		5	_	5 12.5	5			х
Duck Creek Confluence	25330	810G	5 25.	3		5	5		5	\neg	5 17.5	3		3		5 12.5	3 7.5			х
Upper Narrows	23500	810X	5 2	5	25	3	3	10.5	3	\neg	3 10.5	3		5		5 12.5	3 7.5			х
Visitor Center	33850	810J	3 1	5		3 15	1		1		5 17.5	5		5		5 12.5	5 12.5	134.5		х
Monson Weir	34950	810H	3 1	5		3 15	1		1		5 17.5	5		5		5 12.5	5 12.5	134.5		х
DU Wetlands 2	31100	810Y	3 1	3		5 25	3		5		5 17.5	3		3		3 7.5	3			х
Calico Ridge	11400	810R	5 2	5		5 25	1		1	\neg	1 3.5	3		5		7.5 3 7.5	5			х
Archery	26500	810Z	5 2	5		5 25	3		3	\neg	3 10.5	1		3		5 12.5	1			х
Silver Bowl	28190	810U	3 1	5		5 25	3		3	\neg	3 10.5	1		1		5 12.5	3			х
Fire Station	690	810A	3 1	5		5 25	3		3		1 3.5	1		5		1 2.5	5			х
Tropicana	32300	8105	1	5		5 25	1		3		3 10.5	5		3		5 12.5	1			х
Sunrise Mountain	22000	810W	3	3		5 25	3		3	\neg	1 3.5	3		5		3 7.5	1			х

= In Construction or Completed

Appendix G Sales Tax Received and Distributed



		Receipts		Dist	ributions	
Collection	Received	Gross	Clark Co.		Wastewater	Other SNWA
Month	Date	Amount	Rural Areas	LV Wash	Agencies	Capital
Apr-99	07-Jul-99	3,995,539	168,120	159,822		3,667,597
May-99	27-Jul-99	4,083,781	171,833	163,351		3,748,597
Jun-99	27-Aug-99	4,466,631	187,942	178,665		4,100,023
Fiscal Year 1998-199	99	12,545,951	527,896	501,838	0	11,516,217
Jul-99	24-Sep-99	3,876,062	163,093	155,042		3,557,926
Aug-99	22-Oct-99	4,056,713	170,694	162,269		3,723,750
Sep-99	29-Nov-99	4,389,790	184,709	175,592		4,029,490
Oct-99	27-Dec-99	4,081,697	171,746	163,268		3,746,683
Nov-99	25-Jan-00	4,210,101	177,148	168,404		3,864,548
Dec-99	29-Feb-00	5,077,263	213,636	203,091		4,660,537
Jan-00	24-Mar-00	4,011,032	168,772	160,441		3,681,819
Feb-00	25-Apr-00	4,056,425	170,682	162,257		3,723,485
Mar-00	26-May-00	4,718,344	198,534	188,734		4,331,076
Apr-00	28-Jun-00	4,285,442	180,319	171,418		3,933,706
May-00	21-Jul-00	4,403,289	185,277	176,132		4,041,880
Jun-00	25-Aug-00	4,816,863	202,679	192,675		4,421,510
Fiscal Year 1999-200	00	51,983,020	2,187,290	2,079,321	0	47,716,410
Jul-00	22-Sep-00	4,316,705	181,634	172,668		3,962,402
Aug-00	20-Oct-00	4,470,849	188,120	178,834		4,103,895
Sep-00	29-Nov-00	4,819,576	202,793	192,783		4,424,000
Oct-00	22-Dec-00	4,363,936	183,621	174,557		4,005,757
Nov-00	22-Jan-01	4,423,627	186,133	176,945		4,060,549
Dec-00	26-Feb-01	5,353,220	225,247	214,129		4,913,843
Jan-01	23-Mar-01	4,196,777	176,588	167,871		3,852,319
Feb-01	20-Apr-01	4,238,834	178,357	169,553		3,890,923
Mar-01	25-May-01	5,122,948	215,558	204,918		4,702,472
Apr-01	22-Jun-01	4,554,600	191,644	182,184	1,588,693	2,592,078
May-01	20-Jul-01	4,811,654	202,460	192,466	1,678,357	2,738,371
Jun-01	24-Aug-01	4,913,175	206,732	196,527	1,713,768	2,796,148
Fiscal Year 2000-200	01	55,585,901	2,338,888	2,223,436	4,980,818	46,042,758



		Receipts		Distributions						
Collection	Received	Gross	Clark Co.		Wastewater	Other SNWA				
Month	Date	Amount	Rural Areas	LV Wash	Agencies	Capital				
Jul-01	21-Sep-01	4,573,130	192,424	182,925	1,595,157	2,602,625				
Aug-01	19-Oct-01	4,769,281	200,677	190,771	1,663,576	2,714,256				
Sep-01	27-Nov-01	4,281,399	180,148	171,256	1,493,398	2,436,597				
Oct-01	26-Dec-01	4,694,971	197,550	187,799	1,637,656	2,671,966				
Nov-01	29-Jan-02	4,472,344	188,183	178,894	1,560,002	2,545,266				
Dec-01	01-Mar-02	5,232,197	220,155	209,288	1,825,046	2,977,707				
Jan-02	25-Mar-02	4,326,825	182,060	173,073	1,509,243	2,462,449				
Feb-02	22-Apr-02	4,349,265	183,004	173,971	1,517,070	2,475,220				
Mar-02	24-May-02	5,103,196	214,727	204,128	1,780,050	2,904,291				
Apr-02	26-Jun-02	4,750,192	199,874	190,008	1,656,918	2,703,393				
May-02	20-Jul-02 22-Jul-02	4,821,868	202,890	192,875	1,681,919	2,744,184				
Jun-02	26-Aug-02	4,970,042	209,124	198,802	1,733,604	2,828,512				
va v=		.,576,6			_,,, .	_,===,===				
Fiscal Year 2001-20	02	56,344,710	2,370,816	2,253,788	19,653,640	32,066,465				
Jul-02	27-Sep-02	4,749,455	199,843	189,978	1,656,661	2,702,973				
	27-3ep-02 29-Oct-02	4,749,455 5,022,283	•	200,891	1,751,826					
Aug-02			211,323	•	, ,	2,858,243				
Sep-02	27-Nov-02	4,874,256	205,094	194,970	1,700,193	2,773,999				
Oct-02	30-Dec-02	4,823,952	202,977	192,958	1,682,646	2,745,370				
Nov-02	27-Jan-03	4,774,929	200,915	190,997	1,665,546	2,717,470				
Dec-02	28-Feb-03	5,797,103	243,925	231,884	2,022,092	3,299,203				
Jan-03	28-Mar-03	4,691,519	197,405	187,661	1,636,452	2,670,001				
Feb-03	25-Apr-03	4,578,090	192,632	183,124	1,596,887	2,605,447				
Mar-03	30-May-03	5,436,587	228,755	217,463	1,896,340	3,094,028				
Apr-03	27-Jun-03	5,141,704	216,347	205,668	1,793,481	2,926,207				
May-03	28-Jul-03	5,209,543	219,202	208,382	1,817,145	2,964,815				
Jun-03	29-Aug-03	5,479,729	230,571	219,189	1,911,388	3,118,581				
Fiscal Year 2002-20	03	60,579,149	2,548,989	2,423,166	21,130,658	34,476,336				
Jul-03	29-Sep-03	5,289,908	222,583	211,596	1,845,177	3,010,551				
Aug-03	24-Oct-03	5,567,909	234,281	222,716	1,942,146	3,168,765				
Sep-03	26-Nov-03	5,593,449	235,356	223,738	1,976,128	3,158,228				
Oct-03	26-Dec-03	5,504,945	166,762	220,198	1,944,834	3,173,151				
Nov-03	30-Jan-04	5,255,726	159,212	210,229	1,856,788	3,029,497				
Dec-03	27-Feb-04	6,274,646	190,078	250,986	2,216,761	3,616,821				
Jan-04	26-Mar-04	5,611,388	169,986	224,456	1,982,440	3,234,507				
Feb-04	30-Apr-04	5,373,733	162,787	214,949	1,898,479	3,097,518				
Mar-04	28-May-04	6,609,509	200,222	264,380	2,335,065	3,809,842				
Apr-04	25-Jun-04	5,958,389	180,498	238,336	2,105,031	3,434,525				
May-04	30-Jul-04	6,248,803	189,295	249,952	2,207,631	3,601,924				
Jun-04	27-Aug-04	6,435,920	194,964	257,437	2,273,737	3,709,782				
Fiscal Year 2003-20	04	69,724,324	2,306,023	2,788,973	24,584,217	40,045,111				



		Receipts	Distributions							
Collection	Received	Gross	Clark Co.		Wastewater	Other SNWA				
Month	Date	Amount	Rural Areas	LV Wash	Agencies	Capital				
Jul-04	24-Sep-04	6,376,348	193,159	255,054	2,252,691	3,675,444				
Aug-04	28-Oct-04	6,277,281	190,158	251,091	2,217,692	3,618,339				
Sep-04	29-Nov-04	6,646,048	201,329	265,842	2,347,973	3,830,904				
Oct-04	23-Dec-04	6,403,724	193,988	256,149	2,262,363	3,691,224				
Nov-04	28-Jan-05	6,306,345	191,038	252,254	2,227,960	3,635,093				
Dec-04	25-Feb-05	7,757,964	235,012	310,319	2,740,801	4,471,833				
Jan-05	28-Mar-05	6,057,705	183,506	242,308	2,140,118	3,491,772				
Feb-05	29-Apr-05	6,093,734	184,598	243,749	2,152,847	3,512,540				
Mar-05	27-May-05	7,596,622	230,125	303,865	2,683,800	4,378,832				
Apr-05	24-Jun-05	6,875,146	208,269	275,006	2,428,911	3,962,960				
May-05	29-Jul-05	7,140,352	216,303	285,614	2,522,605	4,115,830				
Jun-05	26-Aug-05	7,494,219	227,023	299,769	2,647,622	4,319,805				
Fiscal Year 2004-20	OE.	81,025,486	2,454,508	3,241,019	28,625,384	46,704,574				
riscai fedi 2004-20	U3	81,023,480	2,454,506	5,241,019	20,023,364	40,704,374				
Jul-05	30-Sep-05	7,024,506	212,794	280,980	2,481,678	4,049,054				
Aug-05	27-Oct-05	7,060,064	213,871	282,403	2,494,240	4,069,550				
Sep-05	29-Nov-05	7,338,501	222,306	293,540	2,592,609	4,230,046				
Oct-05	30-Dec-05	7,016,781	212,560	280,671	2,478,949	4,044,601				
Nov-05	27-Jan-06	6,888,714	208,680	275,549	2,433,704	3,970,781				
Dec-05	01-Mar-06	8,587,151	260,131	343,486	3,033,743	4,949,791				
Jan-06	31-Mar-06	6,743,203	204,272	269,728	2,382,297	3,886,905				
Feb-06	28-Apr-06	6,815,659	488,723	272,626	2,334,259	3,720,050				
Mar-06	01-Jun-06	8,081,356	441,313	323,254	2,780,380	4,536,409				
Apr-06	03-Jul-06	7,394,368	233,876	295,775	2,608,593	4,256,125				
May-06	28-Jul-06	7,484,835	236,737	299,393	2,640,508	4,308,197				
Jun-06	30-Aug-06	7,993,628	252,830	319,745	2,820,000	4,601,053				
Fiscal Year 2005-20	06	88,428,765	3,188,091	3,537,151	31,080,961	50,622,562				
Jul-06	02-Oct-06	7,199,840	227,723	287,994	2,539,967	4,144,157				
Aug-06	31-Oct-06	7,323,145	231,623	292,926	2,583,467	4,215,130				
Sep-06	29-Nov-06	7,582,818	239,836	303,313	2,675,074	4,364,595				
Oct-06	29-Dec-06	7,100,583	224,584	284,023	2,504,951	4,087,025				
Nov-06	27-Jan-07	7,046,861	222,884	281,874	2,485,999	4,056,103				
Dec-06	28-Feb-07	8,573,457	271,169	342,938	3,024,553	4,934,797				
Jan-07	30-Mar-07	6,910,453	218,570	276,418	2,437,877	3,977,588				
Feb-07	27-Apr-07	6,986,205	220,966	279,448	2,464,601	4,021,191				
Mar-07	31-May-07	8,161,105	258,127	326,444	2,879,083	4,697,451				
Apr-07	29-Jun-07	7,153,765	226,266	286,151	2,523,712	4,117,636				
May-07	30-Jul-07	7,417,299	201,355	296,692	2,629,316	4,289,936				
Jun-07	31-Aug-07	7,918,593	210,795	316,744	2,808,601	4,582,454				
Fiscal Year 2006-20	07	89,374,124	2,753,898	3,574,965	31,557,199	51,488,062				



	Receipts Distr							
Collection	Received	Gross	Clark Co.		Wastewater	Other SNWA		
Month	Date	Amount	Rural Areas	LV Wash	Agencies	Capital		
Jul-07	28-Sep-07	7,035,191	187,279	281,408	2,495,272	4,071,233		
Aug-07	31-Oct-07	7,030,120	187,144	281,205	2,493,473	4,068,298		
Sep-07	30-Nov-07	7,371,728	196,238	294,869	2,614,636	4,265,985		
Oct-07	31-Dec-07	7,203,147	191,750	288,126	2,554,843	4,168,428		
Nov-07	30-Jan-08		7,001,344 186,378 280,054 2,483,267 8,565,788 241,384 342,632 3,033,074 6,498,944 205,938 259,958 2,292,558	7,001,344186,378280,0542,483,2678,565,788241,384342,6323,033,074	7,001,344186,378280,0542,483,2678,565,788241,384342,6323,033,074	7,001,344 186,378 280,054 2,483,267	4,051,646	
Dec-07	29-Feb-08	8,565,788 241,384 342,632 3,033,074						4,948,699
Jan-08	28-Mar-08		•	•		3,740,490		
Feb-08	30-Apr-08	6,544,565	184,426	261,783	2,317,376	3,780,981		
Mar-08	30-May-08	7,683,503			2,720,664	4,438,978		
Apr-08	27-Jun-08	6,927,960	195,230	277,118	2,453,132	4,002,479		
May-08	31-Jul-08	7,171,987	202,107	286,879	2,539,540	4,143,461		
Jun-08	29-Aug-08	7,242,215	204,086	289,689	2,564,408	4,184,033		
Fiscal Year 2007-200	08	86,276,491	2,398,479	3,451,060	30,562,242	49,864,710		
113cai 1cai 2007 200	50	00,270,431	2,330,473	3,431,000	30,302,242	+3,00+,710		
Jul-08	29-Sep-08	6,712,162	189,149	268,486	2,376,720	3,877,807		
Aug-08	30-Oct-08	7,180,618	205,186	287,225	2,541,519	4,146,688		
Sep-08	25-Nov-08	6,622,651	189,242	264,906	2,344,031	3,824,472		
Oct-08	28-Dec-08	6,608,538	188,839	264,342	2,339,036	3,816,322		
Nov-08	30-Jan-09	6,058,233	173,114	242,329	2,144,260	3,498,530		
Dec-08	27-Feb-09	6,913,934	197,566	276,557	2,447,128	3,992,683		
Jan-09	30-Mar-09	5,440,196	155,454	217,608	1,925,511	3,141,624		
Feb-09	30-Apr-09	5,320,986	152,047	212,839	1,883,318	3,072,781		
Mar-09	29-May-09	6,589,177	188,286	263,567	2,332,183	3,805,141		
Apr-09	, 26-Jun-09	5,838,658	166,840	233,546	2,066,543	3,371,728		
May-09	30-Jul-09	5,790,455	165,462	231,618	2,049,482	3,343,892		
Jun-09	28-Aug-09	5,958,459	170,263	238,338	2,108,946	3,440,912		
Fiscal Year 2008-200	09	75,034,067	2,141,447	3,001,363	26,558,678	43,332,579		
Jul-09	29-Sep-09	5,411,301	167,577	216,452	1,910,363	3,116,908		
Aug-09	29-Oct-09	5,435,528	168,327	217,421	1,918,916	3,130,863		
Sep-09	30-Nov-09	5,630,829	174,376	225,233	1,987,864	3,243,357		
Oct-09	30-Nov-09	5,467,931	169,331	218,717	1,930,356	3,149,527		
Nov-09	29-Jan-10	5,421,077	167,880	216,843	1,913,815	3,122,540		
Dec-09	26-Feb-10	6,590,956	204,109	263,638	2,326,819	3,796,390		
Jan-10	31-Mar-10	5,108,796	158,209	204,352	1,803,569	2,942,666		
Feb-10	30-Apr-10	5,108,798	158,209	204,332	1,803,495	2,942,544		
Mar-10	28-May-10	6,069,444	187,959	204,343 242,778	2,142,709	3,495,999		
	30-Jun-10		185,753	242,778	2,142,709 2,117,564			
Apr-10		5,998,218	•			3,454,972		
May-10 Jun-10	2-Aug-10 31-Aug-10	5,735,351 5,928,143	177,612 183,583	229,414 237,126	2,024,763 2,092,825	3,303,561 3,414,610		
Fiscal Year 2009-201	10	67,906,159	2,102,918	2,716,246	23,973,058	39,113,937		



		Receipts		Dist	ributions				
Collection	Received	Gross	Clark Co.		Wastewater	Other SNWA			
Month	Date	Amount	Rural Areas	LV Wash	Agencies	Capital			
Jul-10	30-Sep-10	5,654,890	188,891	226,196	1,991,125	3,248,678			
Aug-10	28-Oct-10	5,803,042	193,840	232,122	2,043,291	3,333,790			
Sep-10	30-Nov-10	5,711,560	190,784	228,462	2,011,079	3,281,234			
Oct-10	30-Dec-10	5,601,461	187,106	224,058	1,972,313	3,217,984			
Nov-10	31-Jan-11	5,584,548	5,584,548186,541223,3821,966,3576,606,719220,685264,2692,326,271	5,584,548 186,541 223,382 1,966,357	,584,548 186,541 223,382 1,966,357				3,208,267
Dec-10	28-Feb-11	6,606,719	•	•					
Jan-11	31-Mar-11	5,405,921	180,575	216,237	1,903,462	3,795,494 3,105,648			
Feb-11	29-Apr-11	5,353,999			1,885,180	3,075,819			
Mar-11	31-May-11	6,697,136	223,705			3,847,438			
Apr-11	, 30-Jun-11	6,063,186	202,529	242,527	2,134,889	3,483,240			
May-11	1-Aug-11	6,036,786	201,647	241,471	2,125,593	3,468,073			
Jun-11	31-Aug-11	6,397,099	213,683	255,884	2,252,462	3,675,070			
Fiscal Year 2010-20	11	70,916,346	2,368,827	2,836,654	24,970,129	40,740,737			
Jul-11	3-Oct-11	5,879,272	196,386	235,171	2,134,328	3,313,388			
Aug-11	31-Oct-11	5,859,385	195,722	234,375	1,998,934	3,430,354			
Sep-11	29-Nov-11	6,305,007	210,607	252,200	2,220,036	3,622,164			
Oct-11	29-Dec-11	6,129,515	204,745	245,181	2,158,244	3,521,346			
Nov-11	31-Jan-12	6,055,230	202,264	242,209	2,132,088	3,478,670			
Dec-11	29-Feb-12	7,144,138	238,636	285,766	2,515,500	4,104,236			
Jan-12	30-Mar-12	5,658,196	189,001	226,328	1,992,289	3,250,577			
Feb-12	30-Apr-12	5,922,925	197,844	236,917	2,085,502	3,402,662			
Mar-12	31-May-12	6,790,048	226,809	271,602	2,390,822	3,900,815			
Apr-12	29-Jun-12	6,212,889	207,530	248,516	2,187,601	3,569,243			
May-12	30-Jul-12	6,522,232	217,863	260,889	2,296,522	3,746,957			
Jun-12	31-Aug-12	6,742,691	225,227	269,708	2,374,147	3,873,609			
Fiscal Year 2011-20	12	75,221,529	2,512,633	3,008,861	26,486,013	43,214,022			
Jul-12	28-Sep-12	6,167,979	206,030	246,719	2,171,787	3,543,443			
Aug-12	31-Oct-12	6,347,611	212,030	253,904	2,235,037	3,646,640			
Sep-12	30-Nov-12	6,574,756	219,617	262,990	2,315,017	3,777,132			
Oct-12	31-Dec-12	6,472,579	216,204	258,903	2,279,039	3,718,432			
Nov-12	31-Jan-13	6,355,187	212,283	254,207	2,237,705	3,650,992			
Dec-12	1-Mar-13	7,550,851	252,222	302,034	2,658,706	4,337,889			
Jan-13	29-Mar-13	6,218,961	207,733	248,758	2,189,739	3,572,731			
Feb-13	30-Apr-13	6,019,983	201,086	240,799	2,119,677	3,458,421			
Mar-13	31-May-13	7,289,672	243,498	291,587	2,566,743	4,187,844			
Apr-13	28-Jun-13	6,577,240	219,700	263,090	2,315,891	3,778,559			
May-13	31-Jul-13	6,958,034	232,420	278,321	2,449,972	3,997,321			
Jun-13	30-Aug-13	6,959,568	232,471	278,383	2,450,511	3,998,203			
Fiscal Year 2012-20	13	79,492,423	2,655,294	3,179,697	27,989,825	45,667,607			



		Receipts		Dist					
Collection	Received	Gross	Clark Co.		Wastewater	Other SNWA			
Month	Date	Amount	Rural Areas	LV Wash	Agencies	Capital			
Jul-13	30-Sep-13	6,482,578	216,538	259,303	2,282,560	3,724,177			
Aug-13	31-Oct-13	6,620,714	221,152	264,829	2,331,198	3,803,534			
Sep-13	27-Nov-13	7,386,823	246,743	295,473	2,600,951	4,243,656			
Oct-13	30-Dec-13	6,795,439	226,989	271,818	2,392,720	3,903,912			
Nov-13	31-Jan-14		6,824,227227,950272,9692,402,8577,869,507262,866314,7802,770,9076,437,277215,025257,4912,266,609	6,824,227227,950272,9692,402,8577,869,507262,866314,7802,770,907	6,824,227227,950272,9692,402,8577,869,507262,866314,7802,770,907	.227 227,950 272,969 2,402,857	6,824,227 227,950 272,969 2,402,857	, ,	3,920,451
Dec-13	28-Feb-14						4,520,954		
Jan-14	31-Mar-14				3,698,152				
Feb-14	30-Apr-14	6,539,509 218,440 261,580 2,302,606			3,756,883				
Mar-14	30-May-14	8,009,796	267,552	320,392	2,820,304	4,601,548			
Apr-14	30-Jun-14	7,023,201	234,597	280,928	2,472,917	4,034,760			
May-14	31-Jul-14	7,704,199	257,344	308,168	2,712,701	4,425,986			
Jun-14	29-Aug-14	7,432,478	248,268	297,299	2,617,026	4,269,885			
Fiscal Year 2013-202	14	85,125,747	2,843,465	3,405,030	29,973,356	48,903,896			
Jul-14	30-Sep-14	7,125,008	237,997	285,000	2,508,764	4,093,246			
Aug-14	30-Oct-14	7,372,269	246,257	294,891	2,595,826	4,235,295			
Sep-14	26-Nov-14	7,516,962	251,090	300,678	2,646,773	4,318,420			
Oct-14	31-Dec-14	7,346,330	245,390	293,853	2,586,693	4,220,394			
Nov-14	30-Jan-15	7,220,317	241,181	288,813	2,542,323	4,148,000			
Dec-14	27-Feb-15	8,658,396	289,217	346,336	3,048,680	4,974,162			
Jan-15	31-Mar-15	6,942,624	231,905	277,705	2,444,545	3,988,469			
Feb-15	30-Apr-15	7,068,251	236,102	282,730	2,488,780	4,060,640			
Mar-15	29-May-15	8,338,855	278,544	333,554	2,936,168	4,790,589			
Apr-15	30-Jun-15	7,577,749	253,120	303,110	2,668,177	4,353,342			
May-15	31-Jul-15	7,953,792	265,681	318,152	2,800,584	4,569,375			
Jun-15	31-Aug-15	7,903,402	263,998	316,136	2,782,842	4,540,426			
Fiscal Year 2014-202	15	91,023,954	3,040,483	3,640,958	32,050,155	52,292,358			
Jul-15	30-Sep-15	7,615,944	254,396	304,638	2,681,626	4,375,284			
Aug-15	29-Oct-15	7,370,222	246,188	294,809	2,595,105	4,234,119			
Sep-15	30-Nov-15	7,791,472	260,259	311,659	2,743,431	4,476,123			
Oct-15	31-Dec-15	7,719,746	257,864	308,790	2,718,175	4,434,917			
Nov-15	30-Jan-15	7,640,067	255,202	305,603	2,690,120	4,389,143			
Dec-15	27-Feb-15	9,090,136	303,639	363,605	3,200,699	5,222,193			
Jan-16	31-Mar-16	7,144,279	238,641	285,771	2,515,549	4,104,317			
Feb-16	29-Apr-16	7,329,879	244,841	293,195	2,580,901	4,210,943			
Mar-16	31-May-16	8,568,311	286,208	342,732	3,016,961	4,922,410			
Apr-16	30-Jun-16	7,738,151	258,478	309,526	2,724,656	4,445,491			
May-16	29-Jul-16	7,925,935	264,751	317,037	2,790,776	4,553,371			
Jun-16	31-Aug-16	8,524,710	284,752	340,988	3,001,608	4,897,361			
Fiscal Year 2015-203	16	94,458,852	3,155,219	3,778,354	33,259,606	54,265,673			



		Receipts					
Collection	Received	Gross	Clark Co.		Wastewater	Other SNWA	
Month	Date	Amount	Rural Areas	LV Wash	Agencies	Capital	
Jul-16	30-Sep-16	7,826,866	261,442	313,075	2,755,893	4,496,457	
Aug-16	28-Oct-16	7,949,572	265,540	317,983	2,799,098	4,566,950	
Sep-16	30-Nov-16	8,289,925	276,909	331,597	2,918,939	4,762,479	
Oct-16	30-Dec-16	7,917,066	264,455	316,683	2,787,653	4,548,276	
Nov-16	31-Jan-17	7,960,048	265,890	318,402	2,802,787	4,572,968	
Dec-16	28-Feb-17	9,381,188	313,361	375,248	3,303,180	5,389,399	
Jan-17	31-Mar-17	7,693,802	256,997	307,752	2,709,040	4,420,013	
Feb-17	28-Apr-17	7,402,524	247,267	296,101	2,606,479	4,252,676	
Mar-17	31-May-17	9,256,755	309,204	370,270	3,259,367	5,317,914	
Apr-17	30-Jun-17	8,062,831	269,324	322,513	2,838,978	4,632,016	
May-17	31-Jul-17	8,467,039	282,825	338,682	2,981,302	4,864,230	
Jun-17	31-Aug-17	8,828,866	294,912	353,155	3,108,704	5,072,096	
Fiscal Year 2016-	2017	99,036,481	3,308,126	3,961,459	34,871,420	56,895,475	
Jul-17	29-Sep-17	8,094,287	300,732	323,771	2,838,518	4,631,266	
Aug-17	31-Oct-17	8,270,086	307,264	330,803	2,900,167	4,731,852	
Sep-17	30-Nov-17	8,579,965	318,777	343,199	3,008,836	4,909,153	
Oct-17	29-Dec-17	8,235,502	305,979	329,420	2,888,039	4,712,064	
Nov-17	31-Jan-18	8,325,334	309,316	333,013	2,919,542	4,763,463	
Dec-17	28-Feb-18	9,575,549	355,766	383,022	3,357,969	5,478,792	
Fiscal Year 2017-	2018 through Dec-17	51,080,723	1,897,834	2,043,229	17,913,071	29,226,589	
Total Actuals Thr	ough December 2017	1,441,164,200	49,101,124	57,646,568	470,220,429	864,196,079	
Estimate of rema	inder for fiscal year 2017-2018						
Jan-18	Estimate - Mar18	8,500,000	315,806	340,000	2,980,794	4,863,400	
Feb-18	Estimate - Apr18	8,500,000	315,806	340,000	2,980,794	4,863,400	
Mar-18	Estimate - May18	8,500,000	315,806	340,000	2,980,794	4,863,400	
Apr-18	Estimate - Jun18	8,500,000	315,806	340,000	2,980,794	4,863,400	
May-18	Estimate - Jul18	8,500,000	315,806	340,000	2,980,794	4,863,400	
Jun-18	Estimate - Aug18	8,500,000	315,806	340,000	2,980,794	4,863,400	
Total estimate fo	r January through June 2018	51,000,000	1,894,835	2,040,000	17,884,763	29,180,402	
Total Actuals and	Estimate as of June 2018	1,492,164,200	50,995,959	59,686,568	488,105,192	893,376,481	

Appendix H Sales Tax Revenue Projection



CLARK COUNTY WATER AND WASTEWATER INFRASTRUCTURE (QUARTER CENT) SALES TAX Sales Tax Received and Distributed

	Original	Data in Calen	dar Year					Data Conve	rted to Fiscal \	/ear			
	Calendar	Clark Co. Po	opulation ⁽¹⁾	Clark Co. Pop	ulation FY	Fiscal	Gross Sales	Tax Receipts (3)		Clark Co		Wastewater	Other SNWA
	<u>Year</u>	<u>Count</u>	% Change	<u>Count</u>	% Change	<u>Year</u>	<u>Per Person</u>	<u>Receipts</u>	% Change	Rural Areas	<u>LV Wash</u>	<u>Agencies</u>	<u>Capital</u>
	1999	1,321,319		1,321,319		1998-1999	\$	12,545,951		\$ 527,896	501,838	\$ -	\$ 11,516,217
	2000	1,428,689	8.1%	1,375,004	8.1%	1999-2000	36.39	51,983,020		2,187,290	2,079,321	-	47,716,410
	2001	1,498,278	4.9%	1,463,484	6.5%	2000-2001	37.10	55,585,901	6.9%	2,338,888	2,223,436	4,980,818	46,042,758
	2002	1,578,332	5.3%	1,538,305	5.1%	2001-2002	35.70	56,344,710	1.4%	2,370,816	2,253,788	19,653,640	32,066,465
	2003	1,641,529	4.0%	1,609,931	4.7%	2002-2003	36.90	60,579,149	7.5%	2,548,989	2,423,166	21,130,658	34,476,336
þa	2004	1,747,025	6.4%	1,694,277	5.2%	2003-2004	39.91	69,724,324	15.1%	2,306,023	2,788,973	24,584,217	40,045,111
e.	2005	1,815,700	3.9%	1,781,363	5.2%	2004-2005	44.62	81,025,486	16.2%	2,454,508	3,241,019	28,625,384	46,704,574
Şeč	2006	1,912,654	5.3%	1,864,177	4.6%	2005-2006	46.23	88,428,765	9.1%	3,188,091	3,537,151	31,080,961	50,622,562
×	2007	1,996,542	4.4%	1,954,598	4.9%	2006-2007	44.76	89,374,124	1.1%	2,753,898	3,574,965	31,557,199	51,488,062
S Te	2008	1,986,145	-0.5%	1,991,344	1.9%	2007-2008	43.44	86,276,491	-3.5%	2,398,479	3,451,060	30,562,242	49,864,710
a <u>e</u>	2009	2,006,347	1.0%	1,996,246	0.2%	2008-2009	37.40	75,034,067	-13.0%	2,141,447	3,001,363	26,558,678	43,332,579
Actual Sales Tax Received	2010	1,951,269	-2.7%	1,978,808	-0.9%	2009-2010	34.80	67,906,159	-9.5%	2,102,918	2,716,246	23,973,058	39,113,937
ļ š	2011	1,966,630	0.8%	1,958,950	-1.0%	2010-2011	36.06	70,916,346	4.4%	2,368,827	2,836,654	24,970,129	40,740,737
¥	2012	2,008,654	2.1%	1,987,642	1.5%	2011-2012	37.45	75,221,529	6.1%	2,512,633	3,008,861	26,486,013	43,214,022
	2013	2,062,253	2.7%	2,035,454	2.4%	2012-2013	38.55	79,492,423	5.7%	2,655,294	3,179,697	27,989,825	45,667,607
	2014	2,102,238	1.9%	2,082,246	2.3%	2013-2014	40.49	85,125,747	7.1%	2,843,465	3,405,030	29,973,356	48,903,896
	2015	2,147,641	2.2%	2,124,940	2.0%	2014-2015	42.38	91,023,954	6.9%	3,040,483	3,640,958	32,050,155	52,292,358
	2016	2,205,207	2.7%	2,176,424	2.4%	2015-2016	42.83	94,458,852	3.8%	3,155,219	3,778,354	33,259,606	54,265,673
	2017	2,248,000	1.9%	2,226,604	2.3%	2016-2017	44.06	99,036,481	4.8%	3,308,126	3,961,459	34,871,420	56,895,475
2	2018	2,291,000	1.9%	2,269,500	1.9%	2017-2018	44.98	102,080,723	3.1%	3,792,669	4,083,229	35,797,833	58,406,991
Tax ⁽²⁾	2019	2,334,000	1.9%	2,312,500	1.9%	2017-2018	46.30	107,077,431	4.9%	3,978,315	4,283,097	37,550,087	61,265,932
S T	2020	2,375,000	1.8%	2,354,500	1.8%	2018-2019	47.67	112,235,109	4.8%	4,169,941	4,489,404	39,358,790	64,216,974
ale	2021	2,414,000	1.6%	2,394,500	1.7%	2019-2020	49.07	117,509,455	4.7%	4,365,902	4,700,378	41,208,406	67,234,769
S p	2022	2,449,000	1.4%	2,431,500	1.5%	2020-2021	50.52	122,851,423	4.5%	4,564,375	4,914,057	43,081,736	70,291,255
cte	2023	2,483,000	1.4%	2,466,000	1.4%	2021-2022	52.02	128,280,348	4.4%	4,766,079	5,131,214	44,985,560	73,397,495
Projected Sales	2024	2,514,000	1.2%	2,498,500	1.3%	2022-2023	53.56	133,820,015	4.3%	4,971,898	5,352,801	46,928,219	76,567,097
P	2025	2,542,000	1.1%	2,528,000	1.2%	2023-2024	34.04	86,062,019		3,197,516	3,442,481	30,180,368	49,241,654
							\$	2,300,000,000		\$ 81,009,985	\$ 92,000,000	\$ 771,398,357	\$ 1,355,591,658

Totals may be off slightly due to rounding

⁽¹⁾ Source: Center for Business and Economic Research UNLV http://cber.unlv.edu/reports/2017-CBER-Population-Forecasts.pdf

⁽²⁾ The projected sales tax receipts are calculated using the most recent fiscal year's actual sales tax received and adding the Clark County's population growth percentage and adding a 3% for inflation.

⁽³⁾ The 2011 Nevada State Legislature passed legislation (NRS 377B.1(2)) allowing the June 30, 2025 (or \$2.3 billion), sunset of sales tax collection to be lifted subject to Clark County approval. At this writing, Clark County has not approved the sunset lift. If the sunset is lifted, additional construction might be allowed to be funded with the revenue source.

Appendix I Interfund Loan Activity



Southern Nevada Water Authority INTERFUND LOAN ACTIVITY

Historical Through June 30, 2017 Projected From July 1, 2017 - June 2023

COLIDCES

51,467,766

91,453,118

HISTORICAL

	н	1210	RICAL				5	OURCES	
	Beginning			Total					
Fiscal Year	Balance		Borrowings	Payback	Fron	n Sales Tax ⁽¹⁾	F	rom Grants	Total
2005-2006	\$ -	\$	1,771,721	\$ 3,246	\$	3,207,620	\$	-	\$ 3,207,620
2006-2007	1,768,475		3,043,206	243,901		3,876,451		255,000	4,131,451
2007-2008	4,567,781		8,128,593	9,997,688		3,487,927		9,322,409	12,810,336
2008-2009	2,698,686		2,145,993	2,775,949		3,107,974		2,553,086	5,661,060
2009-2010	2,068,730		4,884,051	2,194,931		2,719,663		1,063,408	3,783,071
2010-2011	4,757,850		994,459	5,123,444		2,805,838		6,256,818	9,062,656
2011-2012	628,865		2,855,066	1,887,910		2,975,620		5,888,857	8,864,477
2012-2013	1,596,021		51,453	1,647,474		3,153,590		10,831,754	13,985,344
2013-2014	-		4,894,069	144,767		3,356,267		3,593,596	6,949,863
2014-2015	4,749,302		4,939,231	778,204		3,612,138		8,287,704	11,899,841
2015-2016	8,910,329		-	5,572,917		3,754,616		3,377,201	7,131,817
2016-2017	3,337,411		-	279,761		3,927,649		37,934	3,965,583
2017-2018	3,057,650								

PROJECTED

39,985,352

30,650,191

•				Estimated	С	Construction	С	onstruction				Sales	
	Beginning		Construction		To	To be Financed		To be Paid		Interest		Tax	
Fiscal Year		Balance	To I	To be Financed (2)		With Sales Tax (3)		With Grants		Expense		Receipts	
2017-2018	\$	3,057,650	\$	12,860,000	\$	8,860,000	\$	4,000,000	\$	391,721	\$	4,083,229	
2018-2019		8,226,142		7,203,390		7,203,390		-		557,322		4,283,097	
2019-2020		11,703,757		688,537		688,537		-		395,144		4,489,404	
2020-2021		8,298,034		177,076		177,073		-		188,737		4,700,378	
2021-2022		3,963,469		-		-		-		-		3,963,469	
2022-2023		-		-		-		-		-		-	
			\$	20,929,003	\$	16,929,000	\$	4,000,000	\$	1,532,924	\$	21,519,577	

⁽¹⁾ Sales tax received during the corresponding fiscal year. Sales tax has also been used for pay-as-you-go construction costs.

33,707,841

⁽²⁾ Estimated construction is based on cash flow projections in the Las Vegas Wash Capital Plan.

⁽³⁾ The 2011 Nevada State Legislature passed legislation (NRS 377B.1(2)) allowing the June 30, 2025 (or \$2.3 billion), sunset of sales tax collection to be lifted subject to Clark County approval. At this writing, Clark County has not approved the sunset lift. If the sunset is lifted, additional construction might be allowed to be funded with the revenue source.

Appendix J Completed Las Vegas Wash Weir Projects Summary

Completed Projects Summary

		Year	
Project No.	Project Title	Completed	Cost (\$1,000)
	Temporary Demonstration Weir	1999	\$173
810A	Fire Station Weir	2000	\$63
810C	Historic Lateral Weir (preliminary structure installed in year 2000)	2019	\$1,823
810D	Pabco Weir	2000	\$5,700
810H	Monson Weir	2002	\$152
810J	Visitor Center Weir	2002	\$172
810E	Bostick Weir	2003	\$5,020
170-A (810N)	Rainbow Gardens Weir	2004	\$7,238
810R	Calico Ridge (previously named Landfill Weir)	2005	\$1,868
810P	Powerline Weir	2007	\$5,883
810F	Upper Diversion Weir	2008	\$12,850
810Y	DU Wetlands No. 2 Weir	2009	\$3,470
810M	Lower Narrows Weir	2011	\$3,494
810L	Homestead Weir	2011	\$6,490
810V	DU Wetlands No. 1 Weir	2012	\$4,126
810X	Upper Narrows Weir	2013	\$6,683
810G	Duck Creek Confluence Weir	2013	\$6,683
810U	Silver Bowl Weir	2015	\$5,846
810Z	Archery Weir	2015	\$5,846
810K	Three Kids Weir (prelim. Structure aka Temp. Demo. Weir installed yr, 1999)	2015	\$11,942
830C/840C	Bank Protection - Historic Lateral (5,000 lf)	2001	\$428
840J	Bank Protection South - Visitor Center (1,100 lf)	2001	\$88
840B	Bank Protection South - Demonstration (1,200 lf)	2001	\$177
840T	Bank Protection South - D-14 Extension (400 lf)	2001	\$44
830N/840N	Bank Protection - Three Kids Wash (Rainbow Gardens) (2,600 lf)	2002	\$92
830J	Bank Protection North - Visitor Center (400 lf)	2002	\$41
830H/840H	Bank Protection - Monson (400 lf)	2002	\$40
830T	Bank Protection North - D-14 Extension (300 lf)	2002	\$10
840Q	Bank Protection South - Wells (1,100 lf)	2003	\$95
830L	Bank Protection North - Homestead (1,600 lf)	2003	\$146
840V	Bank Protection South - DU Wetlands No. 1 (800 lf)	2003	\$62
830M	Bank Protection North - Lower Narrows (1,500 lf)	2003	\$129
840R	Bank Protection South - Calico Ridge (Landfill) (600 lf)	2003	\$50
840X	Bank Protection South - Upper Narrows (900 lf)	2003	\$78
830N/840N	Bank Protection - Rainbow Gardens (1,585 lf)	2005	\$74
830D	Bank Protection North - Pabco (640 lf)	2005	\$68
830E/840E	Bank Protection - Bostick (2,205 lf)	2005	\$127
830D/840D	Bank Protection - Pabco (1,725 lf)	2006	\$48
830W/840W	Bank Protection - Sunrise Mtn (1,765 lf)	2006	\$74
840S	Bank Protection South - Tropicana (575 lf)	2006	\$21
830C/840C		2008	
	Bank Protection - Historic Lateral (3,075 lf)		\$321
840D	Bank Protection South - Pabco (520 lf)	2008	\$40
840A 840G	Bank Protection South - Fire Station (630 lf)	2010	\$469
	Bank Protection South - Duck Creek Confluence (700 lf)		\$90
840D	Bank Protection South - Pabco (320 lf)	2011	\$122
830C	Bank Protection North - Historic Lateral (400 lf)	2011	\$152
830E	Bank Protection North - Bostick (155 lf)	2011	\$59
830D	Bank Protection North - Pabco (690 lf)	2012	\$65
880B	Revegetation South - Demonstration (4.23 ac)	2000	\$63
870C/880C	Revegetation - Historic Lateral (4.90 ac)	2001	\$74

Completed Projects Summary

Project No.	Project Title	Year Completed	Cost (\$1,000)
880D/870D	Revegetation - Pabco (7.40 ac)	2001	\$111
870H/880H	Revegetation - Monson (2.78 ac)	2002	\$48
870J/880J	Revegetation - Visitor Center (1.84 ac)	2002	\$32
880E	Revegetation South - Bostick (6.55 ac)	2004	\$115
870R/880R	Revegetation - Calico Ridge (Landfill) (6.80 ac)	2005	\$117
870E	Revegetation North - Bostick (7.85 ac)	2005	\$47
870D	Revegetation North - Pabco (3.40 ac)	2005	\$2
880P	Revegetation South - Powerline (14.91 ac)	2007	\$245
880F	Revegetation South - Upper Diversion (17.58 Ac)	2009	\$145
870Y/880Y	Revegetation - DU Wetlands No. 2 (0.89 Ac)	2010	\$2
870M/880M	Revegetation - Lower Narrows & Homestead (22.64 Ac)	2011	\$3
870M/880M	Revegetation - Lower Narrows & Homestead (5.14 Ac)	2012	\$23
870G/880G	Revegetation - Duck Creek Confluence (23.4 Ac)	2013	\$223
860A	2000 Materials Transportation Program	2000	\$304
860B	2001 Materials Transportation Program	2001	\$753
860C	2002 Materials Transportation Program	2002	\$866
860D	2003 Materials Transportation Program	2003	\$489
860E	2004 Materials Transportation Program	2004	\$806
860F	2005 Materials Transportation Program	2005	\$216
860G	2006 Materials Transportation Program	2006	\$590
860H	2007 Materials Transportation Program	2007	\$513
860J	2008 Materials Transportation Program	2008	\$667
860K	2009 Materials Transportation Program	2009	\$209
860Q	2010 Materials Transportation Program	2010	\$329
890A	2011 Materials Transportation Program	2011	\$178
890A	2012 Materials Transportation Program	2012	\$194
860L	2001 Topographic Mapping	2001	\$80
860M	2005 Topographic Mapping	2005	\$80
860N	2008 Topographic Mapping	2008	\$63
860S	Sediment Study I	2003	\$177
860T	Sediment Study 11	2008	\$236
	Total		\$106,732