



Board of Directors Regular Meeting  
Tuesday, January 26, 2021 at 1:00 PM  
Valley Sanitary District Board Room  
45-500 Van Buren Street, Indio, CA 92201

**\*\*\*\*\*SPECIAL NOTICE – VIA VIDEOCONFERENCE\*\*\*\*\***

Pursuant to the Governor's Executive Order N-25-20 issued March 4, 2020 and N-29-20 issued on March 18, 2020 the Board of Directors regular meeting will be conducted remotely through Zoom.

Members of the public wanting to participate in the open session of the meeting may do so via the following Zoom registration link:

<https://zoom.us/j/95379438124?pwd=RTNCWnVaUFlyYWpwaldaU29PQXVRUT09> Meeting ID: 953 7943 8124 or can call 669-900-9128. Members of the public wanting to address the Board, either during public comment or for a specific agenda item, or both, are requested to send an email notification no later than 12:30 p.m. on the day of the meeting to the Valley Sanitary District's Clerk of the Board at [hgould@valley-sanitary.org](mailto:hgould@valley-sanitary.org).

Page

**1. CALL TO ORDER**

1.1. Roll Call

1.2. Pledge of Allegiance

**2. PUBLIC COMMENT**





*This is the time set aside for public comment on any item not appearing on the agenda. Please notify the Secretary in advance of the meeting if you wish to speak on a non-hearing item.*

### 3. CONSENT CALENDAR

*Consent calendar items are expected to be routine and noncontroversial, to be acted upon by the Board of Directors at one time, without discussion. If any Board member requests that an item be removed from the consent calendar, it will be removed so that it may be acted upon separately.*

- |      |  |         |
|------|--|---------|
| 3.1. | Approve January 12, 2021 Regular Meeting and January 19, 2021 Special Meeting Minutes<br><a href="#">3.1 12 Jan 2021 Meeting Minutes.pdf</a> <br><a href="#">3.1 19 Jan 2021 Special Meeting Minutes.pdf</a>   | 4 - 10  |
| 3.2. | Approve Warrants for January 7 to January 20, 2021<br><a href="#">3.2 Warrants January 7 to January 20.pdf</a>    | 11      |
| 3.3. | Accept Monthly Financial Report for Period Ending December 31, 2020<br><a href="#">3.3 Staff Report Monthly Financial Report for December 2020.pdf</a> <br><a href="#">3.3 Attachment A Dec 2020 Combined.pdf</a> <br><a href="#">3.3 Attachment B Dec 2020 Income Statement.pdf</a> <br><a href="#">3.3 Attachment C Dec 2020 Summary of Cash and Investments.pdf</a><br> | 12 - 16 |

### 4. NON-HEARING ITEMS

- |      |  |         |
|------|--|---------|
| 4.1. | Review Fiscal Year 2020/21 Budget and Approve Mid-Year Budget Amendment<br><a href="#">4.1 Discuss and Approve Budget Adjustment Request.pdf</a> <br><a href="#">4.1 Attachment A Budget Adjustment Justification.pdf</a>    | 17 - 23 |
| 4.2. | Award a Contract to National Plant Services, Inc. for Cleaning and CCTV Inspection Services for the Sanitary Sewer Pipe Cleaning and Inspection Project in an Amount Not to Exceed \$241,461 and Authorize the General manager to Execute the Contract<br><a href="#">4.2 Staff Report Contract Award Cleaning and CCTV Sewer Main Project.pdf</a> <br><a href="#">4.2 Attachment A - National Plant Services Bid Package.pdf</a>  | 24 - 65 |

- 4.3. Discuss the Fiscal Year 2020/21 Capital Improvement Program and Provide Direction to Staff

66 - 70

**5. GENERAL MANAGER'S ITEMS**

*General Manager's items not listed are for discussion only; no action will be taken without an urgency vote pursuant to State law.*

**6. COMMITTEE REPORTS**

**7. DIRECTOR'S ITEMS**

*Director's items not listed are for discussion only; no action will be taken without an urgency vote pursuant to State law.*

**8. INFORMATIONAL ITEMS**

**9. PUBLIC COMMENT**

*This is the time set aside for public comment on any item to be discussed on Closed Session. Please notify the Secretary in advance if you wish to speak on an item.*

**10. CONVENE IN CLOSED SESSION**

*Items discussed in Closed Session comply with the Ralph M. Brown Act*

- 10.1. Pursuant to Government Code Section 54954.5 Public Employee Performance Evaluation: General Manager

**11. CONVENE IN OPEN SESSION**

*Report out on Closed Session items*

**12. ADJOURNMENT**

Pursuant to the Brown Act, items may not be added to this agenda unless the Secretary to the Board has at least 72 hours advance notice prior to the time and date posted on this notice.

**UNOFFICIAL UNTIL APPROVED**

**VALLEY SANITARY DISTRICT  
MINUTES OF REGULAR BOARD MEETING  
January 12, 2021**

*Valley Sanitary District conducted this meeting in accordance with California Governor Newsom's Executive Orders N-29-20 and COVID-19 protocols.*

A regular Board Meeting of the Governing Board of Valley Sanitary District (VSD) was held via videoconference, on Tuesday, January 12, 2021.

**1. CALL TO ORDER**

President Sear called the meeting to order at 1:01 p.m.

**1.1 Roll Call**

Directors Present:

Debra Canero, Dennis Coleman, Mike Duran, Scott Sear, William Teague

Staff Present:

Beverli Marshall, General Manager, Holly Gould, Ron Buchwald, Jeanette Juarez, and Robert Hargreaves, Best Best & Krieger

**1.2 Pledge of Allegiance**

**2. PUBLIC COMMENT**

*This is the time set aside for public comment on any item not appearing on the agenda. Please notify the Secretary in advance of the meeting if you wish to speak on a non-hearing item.*

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None.

**3. CONSENT CALENDAR**

3.1 Approve December 29, 2020 Special Meeting Minutes

3.2 Approve Warrants for December 23, 2020 to January 6, 2021

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**ACTION TAKEN:**

**MOTION:** Director Teague a motion to approve the consent calendar items as presented. Director Duran seconded the motion. Motion carried unanimously.

**MINUTE ORDER NO. 2020-3074**

**4. NON-HEARING ITEMS**

4.1 Approve Purchase of New Telephone System from Southwest Networks

## **UNOFFICIAL UNTIL APPROVED**

The District's current Cisco UG560 Voice over Internet Protocol (VOIP) telephone system, implemented in 2011, is outdated and no longer meets the District's needs. Staff contacted three (3) telecom providers for quotes to replace/update the existing hardware. Only Southwest Networks was able to provide the District with a new system upgrade compatible with the current Spectrum voice service. The proposal from Southwest Networks includes warranty, support, initial training, new upgraded equipment, and user licenses (app and web-based app) for all employees. The new system is compatible with the District's SCADA system. This contract will be funded using Board approved carryover operating funds from FY2019/20.

### **ACTION TAKEN:**

#### **MOTION:**

Director Duran made a motion to delegate authority to the General Manager to negotiate and execute a contract with Southwest Networks to purchase new phones and software upgrades for a total cost not to exceed \$25,000 including tax and installation upon approval as to form by Valley Sanitary District's General Counsel. Secretary Canero seconded the motion. Motion carried by the following roll call vote:

AYES: Canero, Coleman, Duran, Sear, Teague

NOES: None

**MINUTE ORDER NO. 2020-3075**

### 4.2 Cal/OSHA COVID-19 Prevention Standards Cubicle Rentals and Purchase of Computers

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As of December 1, 2020, Cal/OSHA's emergency regulations requiring employers to protect workers from hazards related to COVID-19 are in effect, following their approval by the Office of Administrative Law. The regulations require that employers implement a site-specific written COVID-19 Prevention Program (CPP) to address COVID-19 health hazards, correct unsafe or unhealthy conditions and provide face coverings. One (1) of the compliance requirements in the CPP is the control of COVID-19 Hazards as it relates to physical distancing. The requirement states that where possible to always ensure at least six (6) feet of distancing in the workplace. To help remedy the current workspace situation the team has developed a plan to rent and install temporary cubicles to assist with the Cal/OSHA physical distancing requirement and six (6) additional desktops would also need to be purchased to eliminate equipment sharing. The fiscal impact to implement the physical distancing standards would be \$35,781 for 12-month cubicle rentals and \$7,625 for six (6) new desktop computers. A budget adjustment would be required to include this expense in the current FY2020/21 budget. To help recover some of the costs a FEMA grant application would be submitted to cover the cost of the cubicle rentals. After some discussion, the Board requested that this item be brought back at the next regular board meeting on January 26, as an action item.

### 4.3 Wastewater rate Study Update

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Jeanette Juarez presented the committee with the draft technical memo prepared by NBS for the Comprehensive Wastewater Rate Study. It addresses three (3) key issues; the development of net revenue requirements from FY2021/22 to FY2040/41, the establishment and maintenance or reserve funds and targets, and the funding of the districts' Capital Improvement Program. NBS developed three (3) financial plan alternatives for district staff and the board of directors to consider; alternative 1 full funding of CIP, no debt, alternative 2 full funding of CIP with \$150 million in debt, and alternative 3 full funding with \$185 million in debt. Secretary Canero and Director Duran requested the Board have

## **UNOFFICIAL UNTIL APPROVED**

a wastewater rate study session to be able to dive deeper into the information provided. Ms. Juarez informed the committee that a special meeting has been scheduled on January 19, 2021 to meet with NBS. The Board will have the opportunity ask questions and get more information from the consultants. Secretary Canero requested the topic of staffing requirements be addressed with NBS and how it will affect the study.

### 4.4 Board Laptop Quotes

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Pursuant to the Governor's Executive Order N-25-20 issued on March 4, 2020 and N-29-20 issued on March 18, 2020; the Board of Directors regular meeting and committee meetings are now held via Zoom to comply with physical distancing protocols. The remote work arrangements are just one-way Valley Sanitary District is assisting in the control of COVID-19 hazards. However, the use of new technology also means that new resources and upgrades must be made to ensure that the organization runs efficiently. For this reason, the Board of Directors requested quotes for new laptops for the Directors to use for official District business. The new laptops will make it faster and more efficient for the Directors to conduct official business and attend Board and Committee meetings. Currently the directors rely on District issued iPads with more limited capabilities. Staff provided information on three different laptop options. A budget adjustment would need to be executed to include the expense in the FY2020/21 budget. The budget adjustment could range from \$5,120 to \$7,128. The Board likes the idea of being able to use a laptop in conjunction with their tablets for board meetings and virtual conferences. The Board has requested that staff bring this item back before the Board as an action item.

## **5. GENERAL MANAGER'S ITEMS**

### 5.1 Monthly General Manager's Report - November 2020

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Ms. Marshall informed the Board that the District has finally passed the toxicity testing. Staff has been struggling with identifying the cause and after a lot of hard work has been able to remedy the situation and pass the testing requirements. Caselle will be conducting live trainings the first two week of February and there is a hard deadline of June 30, 2021 to have the new system fully implemented. The Board thanked Ms. Marshall for her leadership and staff for their hard work in solving the toxicity issue.

### 5.2 Update on COVID-19 Regional Lockdown and Related Impacts on District Operations

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Ms. Marshall updated the board with the current COVID mandatory stay at home order that was put into place on December 9, 2020. As of December 29, Governor Newsome extended the order for three more weeks. The district will continue with the Team A/Team B schedule with half of the operations, maintenance and collections staff alternating working from home. The split schedule is posing to be quite a struggle. There are many projects that have been delayed to the lack of staff. Unfortunately, the District will not be able to maintain this schedule for much longer and will have to bring staff back fulltime. As of now the A/B schedule will remain in place throughout the end of January. The District did have an employee test positive for COVID-19. All legal and procedural requirements have been followed. The impact of exposure was reduced due to the split schedule. As of now, wastewater workers are included in tier 1C for the COVID-19 vaccine. The earliest staff would be able to receive the vaccine would be March or April 2021.

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**6. COMMITTEE REPORTS**

6.1 Budget & Finance Committee – Draft January 5, 2021 Regular Meeting Minutes

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Chairman of the Budget & Finance Committee, Dennis Coleman, gave a report to the Board on the committee meeting. He informed the Board of the Audit Services recommendation staff brought before the committee. The recommendation is to bring the proposal from Davis Farr LLP before the board for approval. Their proposal was clear, concise, and demonstrated a strong understanding of the scope of work with very good references. Chairman Coleman also informed the Board of his request for staff to look at the District's Cal Trust investments and the possibility of a financial manager for the District. The Board thanked the committee and appreciated the minutes of the meeting.

**7. DIRECTOR'S ITEMS**

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None.

**8. INFORMATIONAL ITEMS**

8.1 Vacation Leave Balances and Cost for Payout for All Employees

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Jeanette Juarez presented the requested information of accrued hours and liability of vacation hours for all employees. Director Canero was concerned that more than half of employees have more than a month of accrued vacation. She requested that the General Manager come up with a plan so staff can begin to take vacation time. Ms. Marshall informed the Board that Ms. Juarez is scheduled to bring a report before the board that will discuss this issue.

**9. PUBLIC COMMENT**

*This is the time set aside for public comment on any item to be discussed in Closed Session. Please notify the Secretary in advance of the meeting of you wish to speak on an item.*

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None.

**10. CONVENE IN CLOSED SESSION**

*Items discussed in Closed Session comply with the Ralph M. Brown Act.*

10.1 Pursuant to Government Code Section 54954.5  
Public Employee Performance Evaluation  
Title: General Manager

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The Board adjourned to closed session at 2:46 p.m.

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**11. CONVENE IN OPEN SESSION**

*Report out on Closed Session items.*

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The board reconvened to open session at 3:30 p.m. President Sear reported that Vice President Coleman and Director Duran have been appointed to the General Manager Evaluation Committee.

**12. ADJOURNMENT**

There being no further business to discuss, the meeting was adjourned at 3:32 p.m. The next special board meeting will be held January 19, 2021.

Respectfully submitted,

Holly Gould, Clerk of the Board  
Valley Sanitary District



**UNOFFICIAL UNTIL APPROVED**

**VALLEY SANITARY DISTRICT  
MINUTES OF SPECIAL BOARD MEETING  
January 19, 2021**

*Valley Sanitary District conducted this meeting in accordance with California Governor Newsom's Executive Orders N-29-20 and COVID-19 protocols.*

A special Board Meeting of the Governing Board of Valley Sanitary District (VSD) was held via videoconference, on Tuesday, January 19, 2021.

**1. CALL TO ORDER**

President Sear called the meeting to order at 1:06 p.m.

**1.1 Roll Call**

Directors Present:

Debra Canero, Dennis Coleman, Mike Duran, Scott Sear, William Teague

Staff Present:

Beverli Marshall, General Manager, Holly Gould, and Jeanette Juarez

Guests:

Alice Bou, NBS

Kim Boehler, NBS

**1.2 Pledge of Allegiance**

**2. PUBLIC COMMENT**

*This is the time set aside for public comment on any item not appearing on the agenda. Please notify the Secretary in advance of the meeting if you wish to speak on a non-hearing item.*

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None.

**3. CONSENT CALENDAR**

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None.

**4. NON-HEARING ITEMS**

**4.1 Discuss the VSD 20-Year Financial Plan Presented by NBS, Review the Finance and Sewer Service Alternatives, and Provide Direction to Staff**

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Kim Boehler of NBS presented the Valley Sanitary District Financial Plan to the Board. She addresses three (3) key issues; the development of net revenue requirements from FY2021/22 to FY2040/41, the establishment and maintenance or reserve funds and targets, and the funding of the districts' Capital Improvement Program. NBS developed a 20-year and a 30-year plan, each with

**UNOFFICIAL UNTIL APPROVED**

three (3) financial plan alternatives for district staff and the board of directors to consider; alternative 1 full funding of CIP, no debt, alternative 2 full funding of CIP with \$150 million in debt, and alternative 3 full funding with \$185 million in debt. Ms. Boehler outlined the next steps including any further financial analysis needed, rate study tasks, including classification and the Prop 218 notice. After a discussion, the Board thanked Kim Boehler and Alice Bou for their hard work and great report. The Board was given an opportunity ask questions and get more information from the consultants. Secretary Canero requested the topic of staffing requirements be addressed with NBS and how it will affect the study.

**5. GENERAL MANAGER'S ITEMS**

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Ms. Marshall informed the Board that COVID-19 vaccinations for individuals older than 65 years old have opened. She was contacted by Assemblyman Garcia's office to set up an appointment to discuss the letter she sent requesting that wastewater workers be moved up to Tier 1B for the vaccination. The District is still on an A/B schedule until further notice.

**6. COMMITTEE REPORTS**

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The Operations Committee meeting is scheduled for Tuesday, February 2, 2021, at 1:00 p.m.

**7. DIRECTOR'S ITEMS**

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Director Duran informed the Board that he was exposed to a positive COVID-19 case but was tested and is negative.

**8. INFORMATIONAL ITEMS**

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None.

**9. ADJOURNMENT**

There being no further business to discuss, the meeting was adjourned at 2:33 p.m. The next regular board meeting will be held on January 26, 2021.

Respectfully submitted,

Holly Gould, Clerk of the Board  
Valley Sanitary District

DISBURSEMENTS  
Approved at the Board of Meeting of  
January 26, 2021

38920 Alliance Integration	Annual Fire Alarm Inspection Dec 2020	\$250.00
38921 Associated Time Instruments	Dec 2020 Time Clock AOD	\$291.84
38921 Associated Time Instruments	November 2020 AOD Service	\$291.84
38922 Best, Best & Krieger	Professional Services through Dec 2020	\$2,696.86
38923 Carollo Engineering, Inc	Professional Services Dec 2020	\$8,755.00
38924 Carquest Auto Parts	Carquest Purchases	\$212.39
38925 CS Amsco	Tax Correction from Inv 16303	\$58.29
38926 Desert Arc	Replacement of 3 Irrigation Valves, Testing	\$750.00
38926 Desert Arc	Landscape Services Dec 2020	\$800.00
38926 Desert Arc	Janitorial Services Dec 2020	\$3,333.68
38927 Eisenhower Occupational Health	Employee Screenings Dec 2020	\$360.00
38928 Ellicott Dredge Technologies	Discharge for Pond Dredge	\$551.83
38929 Grainger	Detector Tube	\$20.18
38929 Grainger	Strainer Screen	\$26.20
38929 Grainger	Data Cable	\$52.00
38929 Grainger	Tactical Flashlight	\$148.22
38929 Grainger	Sensing Relays	\$84.18
38929 Grainger	Lockout Software	\$44.06
38930 Hach Company	Composite Sampler for Lab	\$8,468.37
38931 Healthy Futures, Inc.	Professional Services for Dec 2020	\$1,500.00
38932 Innovative Document Solutions	Canon Copier Maintenance Dec 2020	\$107.34
38933 Kaman Industrial Technologies	Two Sheaves, Two Taper Locks, One Belt	\$1,088.13
38934 Lorraine Shinnette	Boot Reimbursement	\$46.28
38935 McMaster-Carr Supply Co.	Submersible Rocker Switch	\$25.54
38935 McMaster-Carr Supply Co.	Soldering Iron, Rosin Flux-Core Solder	\$67.69
38936 MCR Technologies, Inc.	Influent Flow Meter Replacement	\$2,197.67
38937 NBS Government Finance Group	Professional Services Through Dec 2020	\$7,610.00
38938 Rudy's Pest Control	Pest Control on 01/04/2021	\$185.00
38939 SC Fuels	Fuel Delivery 01/04/2021	\$1,933.95
38940 Southwest Networks, Inc.	IT Consulting Dec 2020	\$688.75
38940 Southwest Networks, Inc.	GuardianIT Remote Control Support Jan 2021	\$120.00
38940 Southwest Networks, Inc.	GuardianIT Remote Control Support Feb 2021	\$120.00
38940 Southwest Networks, Inc.	Guardian BDR Storage Feb 2021	\$699.00
38940 Southwest Networks, Inc.	(6) Additions to Service Contract Dec 2020-Feb 2021	\$432.00
38941 Swains Electric Motor Service	Carver Lift Station Pump	\$2,237.81
38942 Underground Service Alert	Board Fee Jan 2021	\$68.99
38942 Underground Service Alert	Dig Alerts for Jan 2021	\$148.60
38943 United Way of the Desert	PR 12/25/2020 - 01/07/2021 PD 01/15/2021	\$25.00
38944 Univar Solutions	Sodium Hypochlorite Del 01/06/2021	\$6,951.51
38945 USA Blue Book	Chart Paper	\$269.08
38946 YSI Inc	Volute 10" ANSI Pump	\$17,637.00
202101131 Time Warner Cable	Telephone Service for January 2021	\$1,153.32
202101141 CalPERS Retirement	PR 12/25/2020 - 01/07/2021 PD 01/15/2020	\$18,985.12
202101142 CalPERS 457	PR 12/25/2020 - 01/07/2021 PD 01/15/2021	\$1,000.00
202101143 Umpqua Bank	New Charges for December 2020	\$13,967.94
202101151 Paychex - Direct Deposit	PR 12/25/2020 - 01/07/2021 PD 01/15/2021	\$73,370.33
202101152 Paychex - Garnishment	PR 12/25/2020 - 01/07/2021 PD 01/15/2021	\$210.46
202101153 Paychex - Tax	PR 12/25/2020 - 01/07/2021 PD 01/15/2021	\$34,217.85
202101154 Vantage Point Transfer Agents - ICMA	PR 12/25/2020 - 01/07/2021 PD 01/15/2021	\$1,495.00
202101155 MassMutual	PR 12/25/2020 - 01/07/2021 PD 01/15/2021	\$10.00
202101156 Paychex - Fee	2020 W-2s and 1099s, PR PD 01/15/2021	\$705.77
202101157 Nationwide Retirement Solution	PR 12/25/2020 - 01/07/2021 PD 01/15/2021	\$1,535.00
		\$218,005.07



**Valley Sanitary District  
Board of Directors Meeting  
January 26, 2021**

**TO:** Board of Directors  
**THROUGH:** Beverli A. Marshall, General Manager  
**FROM:** Jeanette Juarez, Business Services Manager  
**SUBJECT: Monthly Revenue & Expense Report for the Period Ending December 31, 2020**

<input checked="" type="checkbox"/> Board Action	<input type="checkbox"/> New Budget Approval	<input type="checkbox"/> Contract Award
<input type="checkbox"/> Board Information	<input checked="" type="checkbox"/> Existing FY Approved Budget	<input type="checkbox"/> Closed Session

**Executive Summary**

The purpose of this report is to present the monthly revenue and expenses to the Board and the public for the District for the month of December 2020.

**Strategic Plan Compliance**

This item complies with VSD Strategic Plan Objective 5: Long-Term Financial Strength.

**Fiscal Impact**

There is no fiscal impact from this report.

**Background**

The adopted Comprehensive Budget for Fiscal Year 2020/21 includes \$13.9 million in revenues, \$8.8 million in Operating & Maintenance expenditures, and \$10.3 million in CIP expenditures. Attached please find the expenditures (Attachment A) and revenue (Attachment B) for the period ending December 31, 2020, which represents 50% of the fiscal year. Fiscal year to date, the District has received \$11,884,064 in revenue and expended \$3,540,262. The cash balances in the various accounts are presented in the attached Summary of Cash and Investments report (Attachment C).

**Recommendation**

Staff recommends that the Board accept the Revenue and Expense report for the period ending December 2020.

**Attachments**

- Attachment A: Combined Monthly Account Summary for December 2020
- Attachment B: Monthly Income Summary for December 2020
- Attachment C: Summary of Cash and Investments for December 2020

# Valley Sanitary District

## Combined Monthly Account Summary

### December 2020 (UNAUDITED)

Account Description	Current Month	Fiscal YTD	Annual Budget	% Expended	Balance
<b>Operating Expenses</b>					
Salaries	314,341	1,423,156	2,746,625	52 %	1,323,469
Callout	958	4,080	16,200	25 %	12,120
Group dental/vision	2,629	16,543	20,466	81 %	3,923
Group disability	740	4,474	9,640	46 %	5,166
Group health	35,380	217,329	469,709	46 %	252,380
Group life	527	3,163	7,030	45 %	3,867
Longevity	3,231	18,069	37,900	48 %	19,831
Overtime	3,102	9,102	23,800	38 %	14,698
Payroll taxes	26,206	106,272	216,300	49 %	110,028
Retirement	31,951	141,479	297,400	48 %	155,921
Standby	4,560	19,164	37,500	51 %	18,336
Unemployment	0	(142)	0	0 %	142
Workers comp	5,553	26,045	56,020	46 %	29,975
Certifications	0	2,480	12,810	19 %	10,330
Chemicals	41,324	212,230	392,560	54 %	180,330
Clothing/Safety	1,852	11,257	27,750	41 %	16,493
Comprehensive insurance	25,678	154,071	308,300	50 %	154,229
Contract services	31,903	200,673	601,485	33 %	400,812
County charges	540	352	22,000	2 %	21,648
Directors' fees	3,250	19,750	46,500	42 %	26,750
Election	0	0	70,000	0 %	70,000
Electricity	50,263	302,612	607,750	50 %	305,138
Gas/Oil	2,776	17,286	52,000	33 %	34,714
Memberships/Subscriptions	505	18,280	41,495	44 %	23,215
Natural gas	616	1,473	6,000	25 %	4,527
Office expense	214	6,498	16,000	41 %	9,502
Operating supplies	20,293	88,799	215,200	41 %	126,401
Other expenses	487	12,957	50,000	26 %	37,043
Permits & fees	1,277	27,200	93,650	29 %	66,450
Professional/Legal	16,804	74,352	212,750	35 %	138,398
Publications	222	376	2,000	19 %	1,624
Repairs/Maintenance	21,955	316,253	604,120	52 %	287,867
Research & monitoring	3,329	31,552	100,000	32 %	68,448
Small tools	1,241	3,915	33,500	12 %	29,585
Telephone	1,713	10,508	20,500	51 %	9,992
Trash collection	2,617	15,172	25,500	60 %	10,328
Travel/Mtgs/Ed	1,784	13,908	104,000	13 %	90,092
Water	1,379	9,572	21,500	45 %	11,928
<b>Total Expenses</b>	<b>661,202</b>	<b>3,540,262</b>	<b>7,625,960</b>	<b>46 %</b>	<b>4,085,698</b>

**Valley Sanitary District**  
**Combined Monthly Account Summary**  
 December 2020 (UNAUDITED)

<b>Account Description</b>	<b>Current Month</b>	<b>Fiscal YTD</b>	<b>Annual Budget</b>	<b>% Expended</b>	<b>Balance</b>
<b>Capital Expenses</b>					
Capital O & M Fund 11	24,179	25,143	140,000	18 %	114,857
Capital Replacement Fund 12	192,357	628,058	9,894,743	6 %	9,266,685
Capital Improvement Fund 13	4,673	4,673	2,549,877	0 %	2,545,204
<b>Total Capital Expenses</b>	<b>221,208</b>	<b>657,874</b>	<b>12,584,620</b>	<b>5 %</b>	<b>11,926,746</b>

# Valley Sanitary District

## Monthly Income Summary

### December 2020 (UNAUDITED)

	<u>Current Month</u>	<u>Fiscal YTD</u>	<u>Annual Projection</u>	<u>% Received</u>	<u>Balance</u>
<b>Revenues</b>					
Sewer Service Chgs-Current	\$36,761	\$11,310,202	\$11,979,000	94 %	\$668,798
Permit & Inspection Fees	\$2,145	\$15,215	\$15,000	101 %	(\$215)
Saddles/Disconnect Fees	\$0	\$80	\$0	0 %	(\$80)
Plan Check Fees	\$450	\$5,625	\$10,000	56 %	\$4,375
Other Services	\$0	\$0	\$1,800	0 %	\$1,800
Sale of Surplus Property	\$110	\$15,191	\$0	0 %	(\$15,191)
Taxes - Current Secured	\$211,749	\$211,749	\$700,000	30 %	\$488,251
Taxes - Current Unsecured	\$4,026	\$28,986	\$25,000	116 %	(\$3,986)
Taxes - Prior Secured	\$0	\$0	\$6,000	0 %	\$6,000
Supple Prop. Taxes - Current	\$123	\$123	\$6,000	2 %	\$5,877
Supple Prop. Taxes - Prior	\$0	\$0	\$2,000	0 %	\$2,000
Homeowners Tax Relief	\$0	\$0	\$6,000	0 %	\$6,000
Interest Income	\$636	(\$49,382)	\$300,000	(16)%	\$349,382
Unrealized gains (losses)	\$0	(\$1,065)	\$0	0 %	\$1,065
Non-Operating Revenues - Fnd 11	\$71	\$213	\$500	43 %	\$287
Interest Income	\$0	(\$71,891)	\$0	0 %	\$71,891
Connection Fees	\$44,730	\$436,118	\$748,000	58 %	\$311,883
Interest Income	\$0	(\$17,102)	\$100,000	(17)%	\$117,102
<b>Total Revenues</b>	<b>\$300,802</b>	<b>\$11,884,064</b>	<b>\$13,899,300</b>	<b>86 %</b>	<b>\$2,015,236</b>

**VALLEY SANITARY DISTRICT**  
SUMMARY OF CASH AND INVESTMENTS

FOR THE PERIOD: 12/01/2020 TO 12/31/2020 (UNAUDITED)

Agenda Item No. \_\_\_\_\_

**INVESTMENTS**

LAIF Fund 4 - Agency Fund		
Beginning Balance (Fund 4)	212,199	
Net Transfer from (to) Fund 11	0	
Fair Value Factor for quarter ending 06/30/2020	0	
Interest (Pd quarterly - Int. Rate 0.84%)	0	
<b>Fund 04 Ending Balance</b>	<b>212,199</b>	
LAIF Fund 6 - Wastewater Revenue Refunding Bonds		
Beginning Balance (Fund 6)	2,787	
Net Transfer from (to) Fund 11	0	
Fair Value Factor for quarter ending 06/30/2020	0	
Interest (Pd quarterly - Int. Rate 0.84%)	0	
<b>Fund 06 Ending Balance</b>	<b>2,787</b>	
LAIF Fund 11 - Operating Fund		
Beginning Balance (Fund 11)	15,830,219	
Net Transfer from (to) Fund 04	0	
Net Transfer from (to) Fund 06	0	
Net Transfer from (to) Fund 12	195,868	
Net Transfer from (to) Fund 13	(44,730)	
Fund Transfer from (to) LAIF - WF	(900,000)	
Fair Value Factor for quarter ending 06/30/2020	0	
Interest (Pd quarterly - Int. Rate 0.84%)	0	
<b>Fund 11 Ending Balance</b>	<b>15,081,357</b>	
LAIF Fund 12 - Reserve Fund		
Beginning Balance (Fund 12)	25,556,820	
Net Transfer from (to) Fund 11	(195,868)	
Fair Value Factor for quarter ending 06/30/2020	0	
Interest (Pd quarterly - Int. Rate 0.84%)	0	
<b>Fund 12 Ending Balance</b>	<b>25,360,952</b>	
LAIF Fund 13 - Capital Improvement Fund		
Beginning Balance	6,761,076	
Connection Fees	44,730	
(Disbursements) or Reimbursements	0	
Net Transfer from (to) Fund 11	44,730	
Fair Value Factor for quarter ending 06/30/2020	0	
Interest (Pd quarterly - Int. Rate 0.84%)	0	
<b>Fund 13 Ending Balance</b>	<b>6,805,806</b>	
<b>TOTAL LAIF INVESTMENTS: FUNDS 04, 06, 11, 12 AND 13</b>	<b>47,463,100</b>	

**CASH IN CHECKING ACCOUNT**

**WELLS FARGO - FUND 11**

Beginning Balance	1,993,052	
Deposits	277,774	
Fund Transfer from (to) LAIF (net)	900,000	
Disbursements and Payroll	(829,651)	
<b>Wells Fargo Ending Balance</b>	<b>2,341,175</b>	

**CALTRUST - FUND 11**

Beginning Balance	1,095,030	
Unrealized Gain / <Loss>	0	
Interest Income	636	
<b>CalTRUST Ending Balance</b>	<b>1,095,666</b>	

**TOTAL WELLS FARGO AND CALTRUST CHECKING**

**3,436,841**

**TOTAL CASH AND INVESTMENTS** **50,899,941**

The Board certifies the ability of the District to meet its expenditure requirements for the next six (6) months, as per Government Code 53646(b)(3).

This report is in compliance with the District's Investment Policy under Government Code 53646(b)(2).





**Valley Sanitary District  
Board of Directors Meeting  
January 26, 2021**

TO: Board of Directors

THROUGH: Beverli A. Marshall, General Manager

FROM: Jeanette Juarez, Business Services Manager

**SUBJECT: Review Fiscal Year 2020/21 Budget and Approve Mid-year Budget Amendment**

<input checked="" type="checkbox"/> Board Action	<input checked="" type="checkbox"/> New Budget Approval	<input type="checkbox"/> Contract Award
<input type="checkbox"/> Board Information	<input type="checkbox"/> Existing FY Approved Budget	<input type="checkbox"/> Closed Session

**Executive Summary**

The purpose of this report is for the Board of Directors to review the fiscal year 2020/21 budget and approve the mid-year budget amendment.

**Strategic Plan Compliance**

This item complies with VSD Strategic Plan Objective 5.1: Align long-term financial planning with strategic priorities.

**Fiscal Impact**

The fiscal impact of the requested changes will increase the Operating and Maintenance (O&M) budget by \$323,464, and the capital budget by \$72,185. The new proposed FY2020/21 O&M and Capital Budgets are \$9,110,514, and \$10,395,887, respectively.

**Background**

Valley Sanitary Districts fiscal year 2020/21 budget was approved and adopted by the Board on June 9, 2020. At that time, the O&M budget was equal to \$8,787,050 and the capital budget was approved at \$10,323,702. The Board of Directors indicated that it would be beneficial to review the 2020/2021 budget mid-year to determine if any amendments are needed to complete the year ending June 30, 2020.

O&M Budget

There are three (3) cost drivers that have affected the O&M budget. (1) the impact of COVID-19 expenditures has been much higher than originally projected. The District has had to incur additional costs to comply with all local, state, and federal COVID-19 regulations, procedures, and protocols. These costs include materials, supplies, equipment, temporary help services, staffing, and reconfiguration of facilities to ensure

the safety of employees, the Board, and the public. (2) staff is requesting that the Board review and approve the 2% cost of living adjustment for staff to align with Consumer Price Index increases for Riverside County as of November 2020. And (3), there has been an increase in chemical use and expenditures due to the current NPDES permit which reduced limits for total suspended solids (tss) from the ponds.

Capital Budget

The increase in capital budget expenditures is attributed to the initial design of a new laboratory building, and an emergency purchase of a replacement Grit Slurry pump.

These items increased the overall operating and capital budgets; it is required that the District receive Board approval for a budget amendment.

**Recommendation**

Recommend that the Board of Directors approve the proposed amendment to Valley Sanitary District's O&M and Capital budget.

**Attachments**

Attachment A    Budget Adjustment Justification

Attachment A Budget Adjustment Justification

O&M Budget Amendment Requests	Amount	Department	Fund	Expensed	COVID-19 Related Expenditure
11 Laptops (Includes warranty, programming, and licensing)	\$ 18,802	Administration and Board	11	Yes	Yes
7 Phones for new cubicles	\$ 1,371	Administration and Board	11	Yes	Yes
COVID-19 Screening Thermal Scanners	\$ 9,700	Administration and Board	11	Yes	Yes
Desert Arc Janitorial and Landscaping Services	\$ 28,936	Operations	11	Yes	Yes
Cost of Living Adjustment of 2% Retroactive to July 1, 2020	\$ 53,403	All	11	No	No
7 Desktops (Includes warranty, programming, and Licensing)	\$ 9,771	Administration and Board	11	No	Yes
Temporary Help Services Administration 3 months	\$ 18,000	Administration and Board	11	No	Yes
Chemicals	\$ 35,000	Operations	11	No	No
COVID-19 Cubicle Rentals	\$ 35,781	Operations	11	No	Yes
One (1) Additional Operator	\$ 32,700	Operations	11	No	Yes
Repairs and Maintenance	\$ 44,000	Operations	11	No	Yes
Temporary Help Services Operations 3 months	\$ 36,000	Operations	11	No	Yes
<b>Grand Total</b>	<b>\$ 323,464</b>				

**Purchase of 11 Laptops**

To comply with California Department of Public Health Regional Stay at Home orders and the Governor’s Executive Order N-25-20 issued on March 4, 2020, and N-29-20 issued on March 18, 2020, the district had to purchase 11 laptops to implement emergency remote work arrangements for staff and the Board of Directors.

**7 Phones for new cubicles**

The District budgeted a new telephone system conversion in the fiscal year 2019/20 to replace outdated hardware. However, due to new Cal/OSHA COVID-19 Emergency Temporary Standards that require physical distancing protocols seven (7) additional phones needed to be purchased to eliminate shared equipment. The carryover balance from the fiscal year 2019/20 did not include the additional seven (7) phones now needed.

**COVID-19 Screening Thermal Scanners**

The purchase of the two (2) TURING Video screener is to comply with the COVID-19 Prevention Protocol (CPP) mandate implemented by Cal/OSHA. The CPP requires that VSD screen employees for COVID-19 before reporting to work. These contactless thermal scanners will temperature check employees and prompt the COVID-19 questionnaire that will be answered by each employee before they are permitted to begin their workday. The machines will eliminate the need for staff members to have to screen other employees and log data manually.

### **Desert Arc Janitorial and Landscaping Services**

The Board requested that staff get quotes for general maintenance services, primarily janitorial and landscaping, which could be provided by outside contracts more cost-efficiently and thus free up staff to perform more technical wastewater specific functions. These contracts were approved by the Board on October 27, 2020, for janitorial and landscaping services.

### **Cost of Living Adjustment of 2% Retroactive to July 1, 2020**

At the May 26, 2020 Board Meeting the Board approved a Cost-of-Living Adjustment (COLA) of 1%, with the intent that a reevaluation for an additional 2% would be considered later in the fiscal year.

According to the Bureau of Labor and Statistics, the Consumer Price Index, Riverside Area as of November 2020 has had an overall increase of 1.9% over the past year. During the past year, the cost of necessary expenses has increased significantly. Food (for home) up is up 9.2% (includes fruits and vegetable increase of 18.6), Electricity up 14.7%, natural gas increased 21.8%, gas declined 22.2% but still a net increase of over 10% increase for these three categories. In receiving the COLA, it keeps the District up to par not only with the Cost-of-Living increases referenced by various state and federal agencies but also with other local agencies in the Coachella Valley. Receiving this COLA is would provide aid to staff who have continued to show up and serve their community and shown their resilience through this COVID-19 pandemic.

### **7 Desks**

As of December 1, 2020, Cal/OSHA's emergency regulations requiring employers to protect workers from hazards related to COVID-19 are in effect, following their approval by the Office of Administrative Law. The regulations require that employers implement a site-specific written COVID-19 Prevention Program (CPP) to address COVID-19 health hazards.

Staff has identified four (4) workspace areas that need to be modified to meet the physical distancing requirements.

- Operations Control Room
- Electrician's Office
- Collection Crew's Office
- Laboratory Office

To help remedy the current workspace situation the team has developed a plan to rent and install temporary cubicles to assist with the Cal/OSHA physical distancing requirement. Seven (7) additional desks would also need to be purchased to eliminate equipment sharing.

### **Temporary Help Services Administration Three (3) months**

The Administration department is requesting the aid of a temporary worker to help complete two (2) projects. First, to update, file, and digitize contracts and all procurement-related information into one centralized location. Additional to help complete necessary standard of operations for procurement procedures. The second project would be to assist the collections and operations team to update, save, digitize, and organize files into one centralized location. With the new facility configurations to comply with Cal/OSHA regulations, there is a need to accommodate storage space. This individual would help make files more accessible and eliminate the need for extra storage. The funding request is for three (3) months.

### **Chemicals**

The increase in chemical use lies primarily with the consumption of Sodium Hypochlorite; the chemical used to disinfect our effluent.

Due to efforts to reduce ammonia concentrations in the activated sludge plant effluent, an increase in Sodium Hypochlorite consumption has occurred. The increase in Sodium Hypochlorite directly relates to an increase in nitrate in the effluent. Nitrite is produced during the first step in the nitrification process. In the nitrification process, ammonia is converted to nitrite by ammonia-oxidizing bacteria (AOB) and then from nitrite to nitrate by nitrite-oxidizing bacteria (NOB). Nitrite present in wastewater effluent can cause what is referred to as nitrite lock. When nitrite lock occurs, each mg/L of nitrite nitrogen reacts with 5 mg/L of chlorine. Thus, a nitrite concentration of only 10 mg/L will exert a chlorine demand of about 50 mg/L. Having nitrite in the effluent essentially means that we are not nitrifying completely. This is an operational challenge due to the diurnal flow pattern of the facility, and the lack of an equalization basin to keep the flow consistent through 24 hours. The need to reduce ammonia concentrations stems from a letter received from the regional board regarding ammonia toxicity in our effluent back in April of 2019.

An additional cost for chemicals may also stem from the added use of Ferric Chloride. Up until about June of 2020, staff only used Ferric Chloride for aid in settling primary sludge in the primary clarifiers. It was not until after VSD received the current NPDES permit with reduced limits for total suspended solids (tss) from the ponds, did the operations staff start to dose Ferric Chloride at the pond chlorine contact chamber as well. Operations failed to meet the newly assigned tss limits after many attempts to mitigate the elevated levels with past practices. Staff decided to run jar test samples of pond effluent with a small dose of Ferric Chloride to see if the tss would precipitate out. The test was successful, and staff implemented the dosing of Ferric Chloride at the pond chlorine contact chamber shortly after.

### **COVID-19 Cubicle Rentals**

As of December 1, 2020, Cal/OSHA's emergency regulations requiring employers to protect workers from hazards related to COVID-19 are in effect, following their approval by the Office

of Administrative Law. The regulations require that employers implement a site-specific written COVID-19 Prevention Program (CPP) to address COVID-19 health hazards.

Staff has identified four (4) workspace areas that need to be modified to meet the physical distancing requirements.

- Operations Control Room
- Electrician's Office
- Collection Crew's Office
- Laboratory Office

To help remedy the current workspace situation the team has developed a plan to rent and install temporary cubicles to assist with the Cal/OSHA physical distancing requirement. Seven (7) additional desktops would also need to be purchased to eliminate equipment sharing.

### **One (1) Wastewater Operator in Training**

The COVID-19 Pandemic Stay at home orders has had a significant impact on the operations. To assist with protecting employees and comply with regional mandates the district has implemented A/B schedules to help reduce the spread of COVID-19. However, the service levels have remained the same and staff is in much need of relief to help manage the workload. A temporary operator was contracted however this is only a temporary solution and the cost is not sustainable. The hiring of the new Operator in training will also be more cost-effective and it also means the gain of an additional asset to the district by gaining a new employee.

Additionally, this was an item that the Board wanted to address as staff's vacation accruals have been accumulating due to the inability to take time off due to staffing coverage of duties. This position would bring some much-needed assistance to this team and help reduce the likely hood of employee burnout.

### **Repairs and Maintenance**

The increase in repairs and maintenance expenditures is mainly attributed to COVID-19 related costs. Personal Protective Equipment (PPE) must be readily available to staff to ensure safety and compliance. The items must be restocked a minimum every 30 days and due to demand, the pricing has increased for many of these essential items. Additionally, reconfiguration of the facilities has accrued costs for contactless sinks, dispensers, and protective barriers. The District is doing its part to keep employees, the Board, and the public safe.

**Temporary Help Services Operations Three (3) months**

To comply with California Department of Public Health Regional Stay at Home Orders the District implemented an A/B schedule. With the lower manpower onsite, it has become even more challenging for the operations team to maintain service levels. This worker has brought their strong knowledge base and provided some much-needed assistance to an overloaded team. However, the cost is not sustainable to the District, and therefore funding for only three (3) months is being requested.

Capital Budget Amendment Requests	Amount	Department	Fund	Expensed	COVID-19 Related Expenditure
Emergency Purchase of Grit Slurry Pump	\$ 22,575	Operations	12	Yes	No
New Lab Design SGH Consultants	\$ 49,610	Laboratory	12 and 13	Yes	No
<b>Grand Total</b>	<b>\$ 72,185</b>				

**Emergency Purchase of Grit Slurry Pump**

In October 2020, a Grit Slurry Pump had to be replaced. The pump was over 30 years old and it was no longer repairable. There were holes in the internal components of the pump. The pump removes grit (e.g. small solid materials, rocks) out of the grit chamber to prepare the wastewater for biosolid processing.

**New Lab Design SGH Consultants**

This contract was approved by the Board on December 8, 2020. SGH proposed \$49,610 for the initial design (Phase 1), which will provide a schematic of the building, site layout, and a probable construction cost. This will allow staff to refine the construction cost for future CIP budget projections. The current lab fails to keep sand dust from entering the building, fails to keep the humidity below the maximum allowed for a licensed lab, has difficulty keeping temperature settings during the summer, has incorrect material used for the flooring, has commercial style sinks and countertops not meant for lab use (sinks not deep enough and countertops not designed for chemicals), and the layout of the room is designed for an industrial or commercial kitchen. It would be more costly to try to fix the current lab than to build a new one to laboratory specifications and standards. After the construction the new lab, the old space will be converted to useful office space and storage.



**Valley Sanitary District  
Board of Directors Meeting  
January 26, 2020**

TO: Board of Directors

THROUGH: Beverli A. Marshall, General Manager

FROM: Ronald Buchwald, Engineering Services Manager

**SUBJECT: Award Contract to National Plant Services, Inc. for Cleaning and CCTV Inspection Services for the Sanitary Sewer Pipe Cleaning and Inspection Project in an Amount Not to Exceed \$241,460.35 and Authorize the General Manager to Execute the Contract**

<input checked="" type="checkbox"/> Board Action	<input type="checkbox"/> New expenditure request	<input checked="" type="checkbox"/> Contract Award
<input type="checkbox"/> Board Information	<input checked="" type="checkbox"/> Existing FY Approved Budget	<input type="checkbox"/> Closed Session

**Executive Summary**

The purpose of this report is for the Board of Directors to review and approve the bid from National Plant Services, Inc.

**Strategic Plan Compliance**

This item complies with VSD Strategic Plan Objective 3: Excellent Facilities.

**Fiscal Impact**

The total cost of National Plant Services' bid is \$241,461. A change order contingency equal to 10% of the total contract amount (\$24,146) to cover any unforeseen issues that may occur during the performance of this project will be included for a total fiscal impact \$265,607. The Collection System Sewer Main Rehabilitation or Replacement budget for FY 2020/21 is \$1,809,854.

**Background**

The Collection System Sewer Main Rehabilitation or Replacement project is comprised of multiple sewer main replacement or relining projects within the District's boundary. The goal for this cleaning and televising project is to clean and televise sewer mains located within the District's boundary that the collections department is unable to televise due to pipe size, siphons and/or high flow level. The data collected will then allow Harris and VSD to prioritize the pipes for repair or replacement. Some work will be conducted at night to take advantage of lower flows.



The project was put out to bid on November 23, 2020, with a bid closing date on January 14, 2021. One sealed bid was received from National Plant Services (Attachment A). Staff reviewed the bid package and has determined that it meets all bid requirements.

**Recommendation**

Staff recommends that the Board of Directors award a contract to National Plant Services, Inc., for cleaning and CCTV inspection services for the Sanitary Sewer Pipe Cleaning and Inspection Project in an amount not to exceed \$241,461 and authorize the General Manager to execute the contract.

**Attachments**

Attachment A: National Plant Services' bid package dated January 13, 2021

Attachment B: Contractor's License and DIR Registration status

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**CONTRACTOR CONTACT FORM**

This form must be completed by any contractor who plans on submitting a bid for this project. This form should also be completed by any subcontractor, vendor or manufacturer who wants to be notified of any response to questions, addendums or other project notifications prior to bid opening.

This form will be submitted to the Valley Sanitary District by the due date listed in the **Notice Inviting Bids** or it will be deemed not responsive and their bid will be returned unopened. This form can be mailed (see Notice Inviting Bids), faxed (760 238-5460 attention Ron Buchwald) or emailed to [Rbuchwald@valley-sanitary.org](mailto:Rbuchwald@valley-sanitary.org). Note: The Bidder's company name below must match the name of the company listed on the outside of the Bidder's envelope.

---

Contractor's or Entity's Name: NATIONAL PLANT SERVICES, INC.

Contractor's or Entity's Interest in Project (list Bidder, Subcontractor, Vendor, etc.): \_\_\_\_\_  
BIDDER

Contractor's or Entity's Address: 1461 HARBOR AVE, LONG BEACH, CA 90813

Contractor's or Entity's Contact Person: MICHELLE BEASON, PE

Contractor's or Entity's Phone No.: 925-262-7366

Contractor's or Entity's Email Address: MBEASON@NATIONALPLANT.COM

**CALIFORNIA ACKNOWLEDGMENT**

**CIVIL CODE § 1189**

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California }  
County of Los Angeles }  
On 12/11/2020 before me, Patricia Pena, Notary Public  
Date Here Insert Name and Title of the Officer  
personally appeared Dennis Keene  
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Patricia Pena  
Signature of Notary Public

Place Notary Seal and/or Stamp Above

**OPTIONAL**

Completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

**Description of Attached Document**  
Title or Type of Document: Bid Bond - Valley Sanitary District  
Document Date: \_\_\_\_\_ Number of Pages: \_\_\_\_\_  
Signer(s) Other Than Named Above: \_\_\_\_\_  
**Capacity(ies) Claimed by Signer(s)**  
Signer's Name: \_\_\_\_\_ Signer's Name: \_\_\_\_\_  
 Corporate Officer – Title(s): \_\_\_\_\_  Corporate Officer – Title(s): \_\_\_\_\_  
 Partner –  Limited  General  Partner –  Limited  General  
 Individual  Attorney in Fact  Individual  Attorney in Fact  
 Trustee  Guardian or Conservator  Trustee  Guardian or Conservator  
 Other: \_\_\_\_\_  Other: \_\_\_\_\_  
Signer is Representing: \_\_\_\_\_ Signer is Representing: \_\_\_\_\_

**BID BOND**

KNOW ALL MEN BY THESE PRESENTS,

That National Plant Services, Inc. as Principal, and Travelers Casualty and Surety Company of America as Surety, are held and firmly bound unto Valley Sanitary District, hereinafter called "Owner," in the sum of Ten Percent of Total Bid (10%) dollars, (not less than 10 percent of the total amount of bid) for the payment of which sum, well and truly to be made, we jointly and severally bind ourselves, our heirs, executors, administrators, successors, and assigns firmly by these presents.

WHEREAS, said Principal has submitted a Bid to said Owner to perform the Work required under the bidding schedule(s) of the Owner's Contract Documents entitled "Sanitary Sewer Pipe Cleaning and Inspection".

NOW THEREFORE, if said Principal is awarded a contract by said Owner and, within the time and in the manner required in the "Notice Inviting Bids" and the "Instructions to Bidders" enters into a written Agreement on the form of agreement bound with said Contract Documents, furnishes the required certificates of insurance, and furnishes the required Performance Bond and Payment Bond, and performs in all other respects the agreement created by this bid, then this obligation shall be null and void, otherwise it shall remain in full force and effect. The Surety stipulates and agrees that the obligation of said Surety shall in no way be impaired or effected by an extension of the time within which the Owner may accept such bid and Surety further waives notice of any such extension. In the event suit is brought upon this bond by said Owner and Owner prevails, said Principal and Surety shall pay all costs incurred by said Owner in such suit, including reasonable attorney's fees and costs to be fixed by the court.

SIGNED AND SEALED, this day of January 14, of 2021

<u>National Plant Services, Inc.</u> (Principal)	(SEAL) <u>Travelers Casualty and Surety Company of America</u> (Surety)
By: <u>[Signature]</u> (Signature)	By: <u>[Signature]</u> Oscar F. Rincon (Signature) Attorney-in-Fact

(SEAL AND NOTARIAL ACKNOWLEDGEMENT OF SURETY)



**Travelers Casualty and Surety Company of America  
Travelers Casualty and Surety Company  
St. Paul Fire and Marine Insurance Company**

**POWER OF ATTORNEY**

**KNOW ALL MEN BY THESE PRESENTS:** That Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company are corporations duly organized under the laws of the State of Connecticut (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint **Oscar F. Rincon** of **Chicago/Naperville, Illinois**, their true and lawful Attorney-in-Fact to sign, execute, seal and acknowledge any and all bonds, recognizances, conditional undertakings and other writings obligatory in the nature thereof on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

**IN WITNESS WHEREOF**, the Companies have caused this instrument to be signed, and their corporate seals to be hereto affixed, this **3rd** day of **February, 2017**.



State of Connecticut

City of Hartford ss.

By:   
Robert L. Raney, Senior Vice President

On this the **3rd** day of **February, 2017**, before me personally appeared **Robert L. Raney**, who acknowledged himself to be the Senior Vice President of Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company, and that he, as such, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

**In Witness Whereof**, I hereunto set my hand and official seal.

My Commission expires the **30th** day of **June, 2021**



  
Marie C. Tetreault, Notary Public

This Power of Attorney is granted under and by the authority of the following resolutions adopted by the Boards of Directors of Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company, which resolutions are now in full force and effect, reading as follows:

**RESOLVED**, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President, any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary may appoint Attorneys-in-Fact and Agents to act for and on behalf of the Company and may give such appointee such authority as his or her certificate of authority may prescribe to sign with the Company's name and seal with the Company's seal bonds, recognizances, contracts of indemnity, and other writings obligatory in the nature of a bond, recognizance, or conditional undertaking, and any of said officers or the Board of Directors at any time may remove any such appointee and revoke the power given him or her; and it is

**FURTHER RESOLVED**, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President may delegate all or any part of the foregoing authority to one or more officers or employees of this Company, provided that each such delegation is in writing and a copy thereof is filed in the office of the Secretary; and it is

**FURTHER RESOLVED**, that any bond, recognizance, contract of indemnity, or writing obligatory in the nature of a bond, recognizance, or conditional undertaking shall be valid and binding upon the Company when (a) signed by the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary and duly attested and sealed with the Company's seal by a Secretary or Assistant Secretary; or (b) duly executed (under seal, if required) by one or more Attorneys-in-Fact and Agents pursuant to the power prescribed in his or her certificate or their certificates of authority or by one or more Company officers pursuant to a written delegation of authority; and it is

**FURTHER RESOLVED**, that the signature of each of the following officers: President, any Executive Vice President, any Senior Vice President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary, and the seal of the Company may be affixed by facsimile to any Power of Attorney or to any certificate relating thereto appointing Resident Vice Presidents, Resident Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such Power of Attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding on the Company in the future with respect to any bond or understanding to which it is attached.

I, **Kevin E. Hughes**, the undersigned, Assistant Secretary of Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company, do hereby certify that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which remains in full force and effect.

Dated this 14th day of January, 2021



  
Kevin E. Hughes, Assistant Secretary

**To verify the authenticity of this Power of Attorney, please call us at 1-800-421-3880.  
Please refer to the above-named Attorney-in-Fact and the details of the bond to which the power is attached.**



STATE OF ILLINOIS }  
COUNTY OF COOK }

I, Brenda D. Hockberger a Notary Public in and for said County, do hereby  
certify that Oscar F. Rincon Attorney-in-Fact of the:

- TRAVELERS CASUALTY & SURETY COMPANY
- TRAVELERS CASUALTY & SURETY COMPANY OF AMERICA
- FARMINGTON CASUALTY COMPANY
- SEABOARD SURETY COMPANY
- UNITED STATES FIDELITY AND GUARANTY COMPANY
- ST. PAUL FIRE AND MARINE INSURANCE COMPANY
- FIDELITY AND GUARANTY INSURANCE COMPANY
- FIDELITY AND GUARANTY INSURANCE UNDERWRITERS, INC.
- ST. PAUL GUARDIAN INSURANCE COMPANY
- ST. PAUL MERCURY INSURANCE COMPANY

Who is personally known to me to be the same person, whose name is subscribed to the foregoing instrument, appeared before me this day in person, and acknowledged that they signed, sealed, and delivered said instrument for and on behalf of:

- TRAVELERS CASUALTY & SURETY COMPANY
- TRAVELERS CASUALTY & SURETY COMPANY OF AMERICA
- FARMINGTON CASUALTY COMPANY
- SEABOARD SURETY COMPANY
- UNITED STATES FIDELITY AND GUARANTY COMPANY
- ST. PAUL FIRE AND MARINE INSURANCE COMPANY
- FIDELITY AND GUARANTY INSURANCE COMPANY
- FIDELITY AND GUARANTY INSURANCE UNDERWRITERS, INC.
- ST. PAUL GUARDIAN INSURANCE COMPANY
- ST. PAUL MERCURY INSURANCE COMPANY

For the uses and purposed therein set forth.

Given under my hand and notarial seal at my office in the City of Naperville in said  
County, this 14th day of January A.D. 20 21

Brenda D. Hockberger  
Notary Public





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**BID PROPOSAL FORM**

Valley Sanitary District  
45-500 Van Buren Street  
Indio, California 92201

Bidders:

The undersigned hereby proposes to perform all work for which a contract may be awarded him/her and to furnish any and all plant, labor, services, material, tools, equipment, supplies, transportation, utilities, water and all other items and facilities necessary therefor as provided in the Contract Documents, and to do everything required therein for the work as set forth in the documents entitled:

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**Sanitary Sewer Pipe Cleaning and Inspection Project**

Together with appurtenances thereto, all as set forth in the Specifications and other Contract Documents; and he/she further proposes and agrees that, if this Bid is accepted, he/she will contract in the form and manner stipulated to perform all the work called for by Specifications, and other Contract Documents, and to complete all such work in strict conformity therewith within the time limits set forth therein, and that he/she will accept as full payment therefor the prices set forth in the Bid Sheet(s) forming a part hereof.

It is understood and agreed that:

1. The undersigned has carefully examined all the Contract Documents which will form a part of the Contract; and all additions, deletions, modifications, and appendices and all addenda as prepared prior to the date of bid opening setting forth any modifications or interpretations of any of said documents.
2. The undersigned has by investigation of the site of the Work and otherwise satisfied himself/herself as to the nature and location of the Work and has fully informed him/her as to all conditions and matters which can in any way affect the Work or the cost thereof.
3. The undersigned fully understands the scope of the Work and has checked carefully all words and figures inserted in this Bid and he/she further understands that the Owner will in no way be responsible for any errors or omissions in the preparation of this Bid.
4. The undersigned will execute the Contract Agreement and furnish the required proof of insurance coverage within ten (10) business days after the date of Notice of Award to him/her of acceptance of his/her Bid by the Owner.
5. The undersigned Bidder further agrees that if he/she shall fail to complete the Work within the Contract Time and any authorized extension thereof, he/she shall pay liquidated damages as defined in the Notice Inviting Bids to the Owner for each calendar day of unauthorized delay in completion of the Work until the Work is completed, unless another amount is agreed to and stated in the Contract Agreement.
6. The undersigned hereby certifies that this proposal is genuine and not a sham or collusive or made in the interest or in behalf of any persons not herein named, and the undersigned has not directly or indirectly induced or solicited any other Bidder to put in a sham Bid, or any other person, firm or corporation to refrain from bidding; the undersigned has not in any manner sought by collusion to secure for himself/herself an advantage over any other bidder.
7. In conformance with current statutory requirements of Section 1861, et seq., of the Labor Code of the State of California, the undersigned confirms the following as his/her certification: I am aware of the provisions of Section 3700 of the Labor Code which require every employer to be insured against liability for workmen's

compensation or to undertake self-insurance in accordance with the provisions before commencing the performance of the Work of this Contract.

8. In compliance with the provisions of Sections 4100-4114 of the Public Contract Code of the State of California, and any amendments thereof, the undersigned Bidder has set forth below the name and the location of the place of business of each Subcontractor who will perform work or labor or render service to the Contractor in or about the Contract Work to be performed under the Contract Documents in which this Bid is responsive, and where the portion of the Work which will be done by each Subcontractor for each subcontract is in excess of one-half of one percent (0.5%) of the Total Base Bid. The undersigned Bidder understands that if he/she fails to specify a Subcontractor for any portion of the Work, or specifies more than one subcontractor for the same portion of work, he/she shall be deemed to have agreed to perform such portion himself/herself and that he/she shall not be permitted to sublet or subcontract that portion of the Work except in cases of public emergency or necessity, and then only after a finding is reduced to writing as a public record of the Owner setting forth the facts constituting the emergency or necessity. It is further understood and agreed that the aggregate total of all subcontracts shall not exceed forty-five percent (45%) of the total contract price in accordance with the provisions of Instructions to Bidders and or General Conditions.

9. The undersigned hereby states that he/she HAS \* previously performed work subject to the provisions of the President's Executive Order No. 11246 relative to nondiscrimination in employment.

\* The Bidder shall insert "has" or "has not", as applicable in the above statement.

10. Receipt is hereby acknowledged of addenda number(s) 1 through 1.

11. Contractors are required by law to be licensed and regulated by the Contractors' State License Board which has jurisdiction to investigate complaints against contractors if a complaint regarding a patent act or omission is filed within four years of the date of the alleged violation. A complaint regarding a latent act or omission pertaining to structural defects must be filed within 10 years of the date of the alleged violation. Any questions concerning a contractor may be referred to the Registrar, Contractors' State License Board, P.O. Box 26000, Sacramento, California 95826.

12. The undersigned is registered with the Department of Industrial Relations to perform public work and is licensed in accordance with the Laws of the State of California:

License Number: 351503 Class A; Registration Number 1000002703.

13. If the bidder is a corporation, partnership, or joint venture, the undersigned certifies that he/she is entitled to execute and submit this Bid Proposal on behalf of bidder.


*(Signatures continued on next page)*



NOW: In compliance with all the provisions hereinbefore stipulated, the undersigned, with full cognizance thereof, hereby proposes to perform the entire Work for the prices set forth in the attached Schedule(s) upon which Award of Contract is made. The undersigned also hereby certifies under the penalties of perjury that this Bid is in all respects bona fide, fair and made without collusion or fraud with any other person. As used in this section, the word "person" shall mean any natural person, joint venture, partnership, corporation, or other business or legal entity.

36-2819728

Social Security Number or Federal Identification Number

  
Signature of Individual or Corporate Name  
NATIONAL PLANT SERVICES, INC.

BY: DENNIS KEENE, President  
Corporate Officer (if applicable)  
ILLINOIS

Notice of acceptance should be mailed, faxed, or delivered to the following:

DENNIS KEENE

(Name)

PRESIDENT

By: (Title)

1461 HARBOR AVENUE

(Business Address)

LONG BEACH, CA 90813

(City and State)

Date: 1/12/21

Note: If the Bidder is a corporation, indicate State of incorporation under signature, and affix corporate seal; if a partnership, give full names and residential addresses, if different from business address.

**BID PROPOSAL CERTIFICATE  
(Corporation)**

STATE OF CALIFORNIA     )  
  )  
COUNTY OF                    )

SS:

I HEREBY CERTIFY that a meeting of the Board of Directors of the  
NATIONAL PLANT SERVICES

Corporation, existing under the laws of the State of ILLINOIS, held on  
September 28, 2020 the following resolution was duly passed and adopted:

"RESOLVED, that DENNIS R. KEENE, as  
President of this Corporation, be and is hereby authorized to execute the  
Bid dated JANUARY 12, 2021, to the Valley Sanitary District by this Corporation and that his/her  
execution thereof, attested by the Secretary of this Corporation, and with the Corporate Seal affixed, shall  
be the official act and deed of this Corporation."

I further certify that said resolution is now in full force and effect.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the official seal of the  
corporation this 12, day of JAN, 2021.

maria Abad  
Secretary

(SEAL)



CONTRACTOR'S LICENSING STATEMENT FORM

The undersigned is licensed in accordance with the laws of the State of CALIFORNIA providing for the registration of Contractors: License Number 351503 Class A Expiration Date 11/30/21

DIR Registration Number 1000002703

Name of Contractor's Firm NATIONAL PLANT SERVICES, INC.

Business Address and Telephone Number 1461 HARBOR AVENUE, LONG BEACH, CA 90813 562-436-7600

Name of Individual Owner (Print or Type): CARYLON CORPORATION

Signature of Owner

Said Owner swears under penalty of perjury under the laws of the State of California that the information provided is true and correct.

The following Partners swear under penalty of perjury under the laws of the State of California that the information is true and correct

Signature, title, and address of members signing on behalf of the partnership:

Name Title

Address

Name Title

Address

Name Title

Address

The following Officers swear under penalty of perjury under the laws of the State of California that the information is true and correct.

Corporation organized under the laws of the State of ILLINOIS

Signature of President of Corporation

(Place Seal Here)

Signature of Secretary of Corporation

For Owner, Partner(s) or Corporation Officers:

This Contractor's Licensing Statement Form is executed at Long Beach, California,  
Location

on 01/13/2021  
Date





**NON-COLLUSION AFFIDAVIT**

State of California )  
County of **LOS ANGELES** ) ss.

**DENNIS KEENE**

\_\_\_\_\_ being first duly sworn, deposes and says that he or she is of the party making the foregoing bid that the bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization or corporation; that the bid is genuine and not collusive or sham; that the bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid, and has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that the bidder has not in any manner, directly or indirectly, sought by agreement, communication, or a conference with anyone to fix the bid price of the bidder or of any other bidder, or to fix any overhead, profit or cost element of the bid price, or of that of any other bidder, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; that all statements contained in the bid are true; and, further, that the bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company, association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid.

Signed   
Title: **PRESIDENT**

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_\_

Seal of Notary

\_\_\_\_\_  
Notary Public



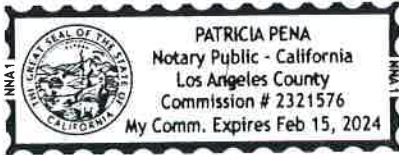
**CALIFORNIA ACKNOWLEDGMENT**

**CIVIL CODE § 1189**

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California }  
County of Los Angeles }  
On 01/13/2021 before me, Patricia Peña, Notary Public  
Date Here Insert Name and Title of the Officer  
personally appeared Dennis Keene  
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Patricia Peña  
Signature of Notary Public

Place Notary Seal and/or Stamp Above

**OPTIONAL**

Completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

**Description of Attached Document**

Title or Type of Document: NON-COLLUSION AFF / Valley Sanitary District  
Document Date: \_\_\_\_\_ Number of Pages: \_\_\_\_\_  
Signer(s) Other Than Named Above: \_\_\_\_\_

**Capacity(ies) Claimed by Signer(s)**

Signer's Name: \_\_\_\_\_ Signer's Name: \_\_\_\_\_  
 Corporate Officer – Title(s): \_\_\_\_\_  Corporate Officer – Title(s): \_\_\_\_\_  
 Partner –  Limited  General  Partner –  Limited  General  
 Individual  Attorney in Fact  Individual  Attorney in Fact  
 Trustee  Guardian or Conservator  Trustee  Guardian or Conservator  
 Other: \_\_\_\_\_  Other: \_\_\_\_\_  
Signer is Representing: \_\_\_\_\_ Signer is Representing: \_\_\_\_\_



VSD

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## **Valley Sanitary District**

Request for Bids

Sanitary Sewer Pipe Cleaning and Inspection

### **ADDENDUM #1**

December 18, 2020

Valley Sanitary District  
45-500 Van Buren Street  
Indio, California 92201  
(760) 238-5400

**ADDENDUM #1**  
FOR  
Sanitary Sewer Pipe Cleaning and Inspection Project

**NOTICE TO ALL PROSPECTIVE BIDDERS:**

Please note the following clarifications, additions, and revisions to the Request for Bids, issued November 23, 2020.

**REVISIONS:**

THE FOLLOWING REVISIONS/CLARIFICATIONS ARE MADE TO THE REQUEST FOR BIDS.

Revision #1 – In Article 2 Contract Times of the Contract Agreement on page 26 of the Request for Bids, replace the number “20” with “60”.

Revision #2 – Replace the Bid Sheet located on pages 15 through 17 of the Request for Bids with the Bid Sheet in Attachment A.

Revision #3 – Replace Section 3-12.5.3 PAYMENT of the General Provisions with the following:

Payment for Temporary Sewer Bypass System shall be made at the Lump Sum price bid and shall include payment of all labor, tools, equipment, materials, incidentals, maintaining existing sewer flows, sewer bypass plans, spill prevention and emergency response plan and all submittal and no additional compensation will be allowed therefor.

Clarification #1 – Below are the answers to questions that the District has received from prospective bidders in relation to this project.

1. Article 2 of the contract - 20 days for 'substantial completion' is a short time frame to clean and inspect all segments, and then process all data and return data within those 20 days. 3D Laser and sonar takes additional processing and reporting time than does conventional CCTV deliverables. Is the intent that the 20 days just for the field work, and then the reporting and deliverables will be given additional time per page 116? The contractor will be allotted 60 working days to complete all work as stated on Page 2 of the project bid package. Article 2 is corrected as part of this Addendum.
2. What class of material are we to assume for the disposal costs? Class I debris will cost substantially more than Class II, and Class I RCRA disposal and hauling rates will not be quoted by any landfill until we have actual analytical test results. Assume Class II debris.
3. Will you provide a staging site for our debris bins? The District will allow the contractor to stage debris bins at the District's water reclamation facility.

4. For the siphons, do you want sonar only? Or do you want them bypassed, dewatered, and inspected with CCTV? The Contractor shall be solely responsible for the means and methods of sewer pipe inspection and shall determine the technology that is adequate to perform the inspections.
5. Some of the siphons appear to be very long in length (over 1200 feet). Confirming there are no intermediate access points on those? There are no intermediate access points on any District siphons.
6. Bypass costs can be substantial depending on flow rates and bypass logistics, which no one has knowledge of at this time. Can we include a set/uniform allowance to be used by all bidders, as needed and as approved on a case by case basis by the District? This ensures the District only pays for bypass costs as needed. As part of this Addendum, a new Bid Sheet with a bid item for sewer bypass has been issued and the payment clause for sewer bypass has been revised. Please note, per Appendix A, all sewer segments, with the exception of one siphon is flowing at 50% or less capacity. Night work is encouraged to reduce the sewer main capacity in use to allow for the inspection of the sewer mains.
7. Do you have flow modeling data/diurnal curves for the segments that you can provide that show GPM flow rates? VSD does not have any flow data for these pipe segments. Please refer to the table in Appendix A of the specifications for the percentage of the flow capacity in use for each of the sewer mains.
8. If the District increases the quantity of the line items as stated on the bid form, will additional completion time over the 20-day deadline will be provided? There are no significant adjustments to the quantities listed in the bid form and the 20-day deadline has been revised as stated in the response to Question 1 above.
9. Is night work allowed? Night work will be allowed when coordinated in advance with the District and the City of Indio.

Approved by:

Ron Buchwald, PE  
Engineering Services Manager

The bid submitted must be in accordance with this notice. Acknowledge receipt of this notice by signing the Certification on this notice and attach it to the Bid. All attachments hereto that is necessary for completing the Bid must be included with the Bid. Failure to acknowledge this notice may result in rejection of the Bid.

By:   
DENNIS KEENE

Company: NATIONAL PLANT SERVICES, INC

Date: 1/12/21

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## **Attachment A – Proposal Bid Sheet**

## PROPOSAL BID SHEET

## SANITARY SEWER PIPE CLEANING AND INSPECTION

**BASE BID**

No.	Quantity	Unit	Items of Work (Please Print Unit Prices Written in Words)	Unit Price	Total
1.	1	LS	Mobilization/Demobilization (Section 7-3.4)	\$ 2,500.00	\$ 2,500.00
			PER LS		
2.	1	LS	Traffic Control (Section 601)	\$8,900.00	\$8,900.00
			PER LS		
3.	5,540	PASS /LF	6-inch sewer pipe cleaning	\$ 0.52	\$ 2,904.60
			PER PASS PER LF		
4.	10,060	PASS /LF	8-inch sewer pipe cleaning	\$ 0.53	\$ 5,572.92
			PER PASS PER LF		
5.	4,400	PASS /LF	10-inch sewer pipe cleaning	\$ 0.58	\$ 2,560.81
			PER PASS PER LF		
6.	7,410	PASS /LF	12-inch sewer pipe cleaning	\$ 0.61	\$ 4,504.72
			PER PASS PER LF		
7.	5,240	PASS /LF	15-inch to 16-inch sewer pipe cleaning	\$ 0.69	\$ 3,597.22
			PER PASS PER LF		
8.	1,970	PASS /LF	18-inch sewer pipe cleaning	\$ 0.82	\$ 1,615.62
			PER PASS PER LF		
9.	4,180	PASS /LF	20-inch to 21-inch sewer cleaning	\$ 1.15	\$ 4,815.66
			PER PASS PER LF		
10.	1,000	CF	Debris removal and disposal from 24-inch and larger diameter pipe (approximate quantity shown**)	\$ 63.50	\$ 63,500
			PER CF		

No.	Quantity	Unit	Items of Work (Please Print Unit Prices Written in Words)	Unit Price	Total
11.	2,770	LF	6-inch sewer pipe inspection	\$ 0.83	\$ 2,297.03
			PER LF		
12.	5,030	LF	8-inch sewer pipe inspection	\$ 1.11	\$ 5,582.45
			PER LF		
13.	2,200	LF	10-inch sewer pipe inspection	\$ 0.73	\$ 1,596.47
			PER LF		
14.	3,705	LF	12-inch sewer pipe inspection	\$ 3.50	\$ 12,964.34
			PER LF		
15.	2,620	LF	15-inch TO 16-inch sewer pipe inspection	\$ 6.99	\$ 18,318.34
			PER LF		
16.	985	LF	18-inch sewer pipe inspection	\$ 1.13	\$ 1,111.81
			PER LF		
17.	2,090	LF	20-inch TO 21-inch sewer pipe inspection	\$ 5.78	\$ 12,078.81
			PER LF		
18.	5,720	LF	24-inch sewer pipe inspection	\$ 4.25	\$ 24,327.24
			PER LF		
19.	275	LF	27-inch sewer pipe inspection	\$ 3.03	\$ 832.40
			PER LF		
20.	2,860	LF	30-inch sewer pipe inspection	\$ 3.03	\$ 8,679.77
			PER LF		
21.	2,965	LF	36-inch sewer pipe inspection	\$ 6.33	\$ 18,766.13
			PER LF		



No.	Quantity	Unit	Items of Work (Please Print Unit Prices Written in Words)	Unit Price	Total
22.	740	LF	42-inch sewer pipe inspection	\$ 7.51	\$ 5,558.10
			PER LF		
23.	3,420	LF	48-inch sewer pipe inspection	\$ 7.95	\$ 27,187.26
			PER LF		
24.	125	LF	54-inch sewer pipe inspection	\$ 13.50	\$ 1,687.64
			PER LF		
25.	1	LS	Temporary Sewer Bypass	\$ 1.00	\$ 1.00
			PER LS		

\*\*The District reserves the right to not award, increase or decrease the quantity (by any percent change of the quantity) of any of the bid items without change to the bid unit price.

Total Bid Price (Enter Here)

TWO HUNDRED FORTY ONE THOUSAND FOUR HUNDRED SIXTY DOLLARS AND THIRTY FIVE CENTS

Words

241,460.35

\$

Figures

Signed



Bidder

DENNIS KEENE, NATIONAL PLANT SERVICES, INC.

**IT IS ASSUMED THAT A BYPASS WILL NOT BE NECESSARY BASED ON THE DISTRICTS ASSERTION THAT FLOW LEVELS ARE 50% OR LESS, AND THAT NIGHT WORK IS ALLOWED TO TAKE ADVANTAGE OF LOWER FLOW PERIODS.**

**SIPHONS WILL BE CLEANED WHILE IN SERVICE AND INSPECTED WITH SONAR TO ALLEVIATE THE NECESSITY FOR A BYPASS.**

**ADDITIONAL SONAR PRICING FOR THE SIPHONS IS INCLUDED IN THE INSPECTION PRICING FOR EACH SIZE GROUPING WHERE THERE ARE SIPHONS.**

## **CONTRACTORS EXPERIENCE STATEMENT NATIONAL PLANT SERVICES, INC.**

### **CONSULTANT'S QUALIFICATIONS**

Founded in 1949, the Carylton Corporation is the largest and oldest environmental services corporation in the United States, with 14 wholly-owned subsidiary companies located throughout the country. NPS is one of those subsidiary companies, and has been serving the needs of our clients in California and the west since 1981. NPS has a valid and active "A" Contractors license in California #351503, and we are experts in the inspection, Cleaning, maintenance, and trenchless rehabilitation of sewer lines.

NPS has completed over 4,000 miles of CCTV inspection and cleaning service work to our valued customers over the last decade. In addition, the team has completed over 50 miles of Multi-Sensor Inspections (CCTV, laser, and sonar) over the past 5 years and own and operate the most advanced 3D laser system in the country. In addition, our 3D laser data and final segment reports are the most detailed and comprehensive of any in the industry.

NPS is also experienced in an array of trenchless sewer rehab services including injection grouting, CIPP point repairs, lateral lining, and centrifugally cast concrete lining. This breadth of experience makes us not just an inspection company, but true pipe experts.

NPS will perform all cleaning, CCTV, multi-sensor deployment operations, data processing, and final condition assessment services with our own forces. Our Multi-sensor robotic platform and processing software is all owned by NPS and operated by NPS employees.

The only sub-contractors or sub-consultants we may utilize during this project is TPR Traffic Solutions. TPR will prepare any Traffic Control plans, if needed. They will also perform any major traffic control including flaggers, if necessary.

### **EXPERIENCE AND REFERENCES**

NPS has been successful service providers to our valued municipal clients since 1981. We have a large wholly-owned fleet of advanced CCTV/Laser/Sonar equipment that can handle any job requirements or conditions, and we have self-performed over 4,000 miles of CCTV inspection, and over 50 miles of CCTV/Laser/sonar inspections over the last 5 years alone. Some comparable client references are below.

#### **April 2014-August 2014: DSRSD MSI Inspection Project**

**Scope:** CCTV, Laser, and Sonar inspections of 36,000 LF of 18" to 47" diameter interceptors. (We also completed a clean and CCTV project for them of over 350,000 LF of sewers in 2017.)

**Contract Amount:** \$220,0000, \$415,000

**Owner:** Dublin San Ramon Services District, 7051 Dublin Blvd, Dublin, CA 94568

**Owner's Representative:** Mr. Ken Peterson

**Email:** peterson@dsrsd.com

**Phone:** 925-875-2252

#### **May 2015, 2016, and 2017: City of Sacramento, CA**



## NATIONAL PLANT SERVICES PROPOSAL FOR VALLEY SANITARY DISTRICT

**Scope:** Three annual phases of work totaling 145,047 LF of Multi-Sensor inspection (CCTV, laser, sonar) of 24" to 120" interceptors. Budget was adhered to, and inspections completed in a timely manner.

**Contract Amount:** \$275,000 + \$320,000 + \$180,000

**Owner:** City of Sacramento, CA, 1395 35<sup>th</sup> Avenue, Sacramento, CA 95822

**Owner's Representative:** Quoc Nham, 916-851-8863 (Quoc was the PM for all 3 phases of work. He is now at Rancho Cordova [qnham@cityofranhocordova.org](mailto:qnham@cityofranhocordova.org) ).

### **Nov 2014-Feb 2015 : City of Roseville Interceptor Assessment Project**

**Scope:** 28,000 L.F. of 30" to 66" Multi-Sensor Inspections (CCTV, Laser, Sonar).

**Contract Amount:** \$134,000

**Owner:** City of Roseville, CA, 2005 Hilltop Circle, Roseville, CA

**Owner's Representative:** Mr. Dan Pruden, [dpruden@roseville.ca.us](mailto:dpruden@roseville.ca.us), 916-776-1898

### **June 2017: Sacramento Area Sewer District**

**Scope:** Multi-Sensor inspection of 28,884 LF of 54" to 75" sewer interceptors

**Contract Amount:** \$215,000

**Owner:** Sacramento Area Sewer District

**Owner's Representative:** Agustin Lopez, 916-875-6595, [lopeza@sacsewer.com](mailto:lopeza@sacsewer.com)

### **October-November 2016: Sacramento Regional Sewer District**

**Scope:** CCTV inspection of 66,140 LF of 84" to 120" sewer interceptors (most lines were 102" – 120")

**Contract Amount:** \$148,000

**Owner:** Sacramento Regional Sewer District

**Owner's Representative:** Kyle Frazier, 916-876-6029, [frazierk@sacsewer.com](mailto:frazierk@sacsewer.com)

**Note: Since 2006, NPS has cleaned and inspected over 13,000,000 LF for Los Angeles County, Department of Public Works through various general contractors. Many more references from our 38 years in business is available upon request.**

## **QUALIFICATIONS OF TEAM**

NPS has been helping our City clients on the West Coast since 1981. We have a large network of experienced and dedicated individuals that will make this project a success. NPS has completed over 50 miles of advanced multi sensor inspections over the past 5 years. We aren't just an inspection company but have significant experience in all aspects of collection system cleaning, maintenance, and rehabilitation. Michelle Beason will act as the Project Manager and Project Engineer. The key personnel for this project, along with their job description, is shown below. TPR Traffic Solutions will be our traffic control subcontractor, and will prepare any TC plans, as needed.

### **Ms. Michelle Beason, PE, Regional Manager: Project Manager/Principal Engineer**

Ms. Beason is a Professional Civil Engineer and licensed (inactive) California A & B Contractor. She has been a nationally recognized expert in multi-sensor inspections and Asset Management of sewer lines since 2010. Michelle has over 28 years' experience in water and wastewater asset management, design, engineering, and O&M, and has been the Regional Manager for NPS since 2014.



## NATIONAL PLANT SERVICES PROPOSAL FOR VALLEY SANITARY DISTRICT

**Certifications:** She holds a CA PE License #C55331, CA A and B Contractor License, SWRQB D2 Operators License, and PACP/MACP/LACP Certification. She is a Board Member of NASSCO, and Chair of the Infrastructure Assessment Committee, tasked with updating and improving PACP/MACP/LACP codes for NASSCO.

**Project Tasks:** Ms. Beason will act as Project Manager and Project Engineer for the duration of this project. She will develop the project schedule and track all milestones against the baseline schedule to ensure timeliness, coordinate traffic control planning and all inspection activity, relay important information to District staff, hold regular on-site progress meetings with District staff, review all laser, sonar, and CCTV inspection data to determine improvement recommendations and remaining useful life analysis, ensure deliverables are completed on time, and track project expenditures. She will hold the final project review meeting with District staff, where she will present the results and recommendations on all lines in scope.

**Experience as it Relates to this Project:** Ms. Beason first began her wastewater career with a degree in Civil/Environmental Engineering from Purdue University in 1993. Throughout her career, she has been involved with numerous wastewater inspection and improvement projects as an engineering consultant, and as a staff engineer for 12 years with the East Bay Municipal Utility District (EBMUD) in Oakland, CA. She has specialized in the cleaning, inspection, and rehabilitation of sewer lines since 2010: she was Director of Client Services/Key Account Manager with RedZone Robotics from 2010-2014, and then with National Plant Services from early 2014-present. She is an expert in the operational details, benefits, and limitations of various forms of laser inspection: Profiling (ring) lasers, diode lasers, 2D lasers, and 3D/LIDAR scanners.

She has acted as a Project Manager during her entire career, and while at EBMUD managed over 60 simultaneous operating and capital construction projects and won a 2005 EBMUD Employee Excellence Award for those efforts. She is experienced in CA MUTCD traffic control regulations and requirements and has prepared numerous traffic control plans for various projects. She has direct experience in PACP coding of pipe defects and has reviewed and QA/QC'd thousands of feet of laser, sonar, and conventional CCTV inspections. She has provided Remaining Useful Life and reinspection recommendations for many clients when employed with RedZone Robotics and National Plant Services; but also performed similar asset management tasks while with EBMUD, and as a consultant. In summary, she has provided Asset Management expertise as it relates to pipelines for 26 years and is uniquely qualified and experienced to manage the challenges of this project.

### Daniel Solano: Superintendent/Operations Manager

Mr. Solano has been employed full time at NPS in Long Beach, CA, for 15 years. His areas of direct experience includes Cleaning and Inspection services, including PACP coding, for over 15 Million L.F. of sewer mainlines and laterals, including the day to day management of many projects. He has managed and coordinated deployment of multi-sensor equipment including laser and sonar.

**Certifications and Memberships:** PACP/MACP/LACP Certification, WEAT, Hazwopper and OSHA Certification, and certified in Traffic Management Procedures.

**Experience as it Relates to this Project:** Direct and managerial experience of over 10 million LF of sewer inspections including: Laser/Sonar/HDCCTV Profiling, conventional CCTV, Sonar, Advanced Sonar Profiling, Acoustic Inspections, Pole Camera Inspections, and Mini-Camera Inspections. He has significant experience in the operation, deployment, maintenance, and repair of our multi-sensor robotic technologies, and is an expert in traffic control planning.

### Ferdy Moreno and Nikolai Korhummelstone

Both Ferdy and Nikolai are experienced with the operation of the Carylton 3D laser system. They have directly managed and deployed millions of feet of CCTV and multi-sensor inspection technology in the Western US. They QAQC all CCTV, Laser, and sonar data each night after deployments are complete to check quality of the data collected and determine if a re-inspection must occur. They are both experts in the on-site maintenance, trouble-shooting, and repair of our multi-sensor inspection technologies, and both have significant expertise in



## NATIONAL PLANT SERVICES PROPOSAL FOR VALLEY SANITARY DISTRICT

the execution of traffic control per CA MUTCD standards. They also ensure compliance with all confined space entry procedures and requirements. **Certifications and Memberships:** PACP/MACP/LACP Certification, Hazwopper and OSHA Certification.

**TPR Traffic Solutions:** TPR will be our Traffic Control subcontract and will prepare TC plans and perform major TC services, as needed. They are an experienced and licensed TC firm in business for over 13 years, with multiple locations around Northern California.

### ***PROJECT UNDERSTANDING***

#### **Project Understanding:**

NPS has cleaned and inspected over 20 million linear feet of pipelines over the last decade and are highly experienced in the inspection and maintenance of collection systems in the West. We have over 10 years experience in multi sensor inspection utilizing laser and sonar and have inspected over 50 miles of pipelines using sonar and laser over the last 5 years alone. Our multi-sensor crews are dedicated to multi-sensor inspections, so have the highest level of experience and skill. They have also completed hundreds of miles of CCTV inspections of sewers, so are very experienced in field deployment operations, extreme sewer conditions, and confined space entry procedures.

The Carylton 3D LIDAR system is a very advanced robotic system that can be mounted on both a tracked and floating platform, with a high-quality custom A-Zoom high-definition camera, 3D Laser with Inertial Navigation System (INS), and a Marine Electronics profiling Sonar. The INS is a significant advancement over all other 3D, 2D, and ring laser platforms in the industry as the data from the INS is used to correct the laser readings depending on tractor/float movement, which provides extremely accurate laser profiling of the pipeline interiors and verifies the integrity of the laser results. The laser platforms can inspect from 30" to 120" (and larger) pipelines, in reaches of up to 2,000 LF. The ability to use either the tractor, or a floating platform, is also a requirement for multi-sensor work as flow rates, turbulence, debris levels, and other obstructions can pose challenges during inspections, so flexibility in deployment platforms is critical.

3D LIDAR is the most advanced form of laser available today. The LIDAR actually 'measures' the inside dimension of the pipeline to provide the most accurate information on corrosion levels. A point cloud of data is gathered during 3D laser inspections, taking hundreds of thousands of measurements in each linear foot of laser scan. The data points are then averaged to prepare 3D models of the pipe interior, and highly accurate maximum, minimum and average tables of data showing pipe corrosion and build-up for every foot of pipe.

For the interceptor inspections, we generally start inspections at the most upstream portion of the system and work downstream in a logical fashion until all inspections are completed. Each 'deployment run' will consist of a series of manhole segments that will be deployed in continuous runs of up to 2,000 LF. We will set up our trucks and equipment at manholes that will be of less impact to traffic, customers, or sensitive riparian or environmentally sensitive areas, such as in this project. A safety line is attached to the robot, the robot is lowered into the starting manhole, and the raft/tractor is allowed to move at a controlled speed not in excess of 30 feet per minute. Operators will PACP code all pipelines live in the field.

All of our crew members are confined space certified, as manhole entry will be required to mount the laser system on the tracked and/or floating platforms. We follow a strict health and safety plan, with daily safety logs filled out prior to each day of work. All field staff are also fit-tested for using supplied air, if needed.



## NATIONAL PLANT SERVICES PROPOSAL FOR VALLEY SANITARY DISTRICT

If it is determined traffic control is required, we will work with the Public Works department to obtain the necessary approvals, however, we will attempt to set our equipment outside of high traffic zones whenever possible. NPS is experienced with all MUTCD traffic rules and perform traffic control services for most of our work. All minor traffic control (cones and signs) is included in our prices. Major TC, and the preparation of TC plans will be completed by our sub-contractor, TPR Traffic Solutions.

### **Special Considerations:**

Due to higher flow levels, night deployments will be planned to ensure we capture sufficient laser and CCTV data to provide the District with quantifiable information about potential defects. We will do an intensive field reconnaissance prior to deployments to determine which sewers may require night deployments because of consistently-high daytime flow levels. This will be presented to the District for approval, along with a schedule and deployment plan.

NPS can also inspect long distances from one access manhole because of our long cable reels, which will limit the number of setups, and speed the rate of our inspections.

Our crews and Project Manager are also confined space trained and highly experienced in working in live sewers and tunnels. Each entrant will wear a gas monitor, and we have blowers to ventilate the lines prior to entering the manholes. In the event H<sub>2</sub>S levels are high, and cannot be cleared with blowers, our crews are fit-tested and can use supplied air to enter the sewer.

### **Our Strengths:**

A key part of this project is to deliver a final summary report of all findings. NPS has developed and implemented some of the most advanced pipe integrity, capacity, and forecasting tools to determine the Remaining Useful Life of pipelines, and to prevent any collapses by identifying the issues and acting prior to failure. The District will benefit from this experience and these RUL forecasting methods. Michelle Beason, the Project Engineer, is a nationally recognized expert in laser inspection and analysis and has been performing multi-sensor work and the subsequent RUL forecasting and rehabilitation planning from laser data for 9 years. Michelle is uniquely qualified to manage the project, and will provide a comprehensive report of all findings.

Our crews have been inspecting large diameter pipelines in the Western States since 1981 and have inspected and assessed tens of millions of feet of piping in that time. Experience is key in this business; knowing the potential issues that we will encounter in the sewers and having equipment and personnel on-site to handle those situations promptly and safely. NPS has this necessary experience.

NPS is also a California-based company, having offices and crews here, so we are local to the project area. This will be key to the project success and increase efficiencies, presence at the weekly meetings, data delivery and processing, and communication with the District during all phases of the project.



## NATIONAL PLANT SERVICES PROPOSAL FOR VALLEY SANITARY DISTRICT

### Professional Affiliations and Accreditation

National Plant Services is a member of the CA Contractors State License Board, Water Environment Federation, North American Society of Trenchless Technologies, and the California Water Environment Association. NPS is also a member in the Northern California Pipe Users Group (PUG).

NPS, and the entire Carylon Corporation, have been very active members of NASSCO (National Association of Sewer Service Companies), which sets the standards in the industry for CCTV inspections and PACP coding of pipeline defects. Michelle Beason is one of the elected Board Members of NASSCO, and the Chair of the NASSCO Infrastructure Assessment Committee; chosen for both positions because of her knowledge of pipeline condition assessment. She is tasked with ensuring that PACP coding is useful and relevant to our municipalities and contractors throughout the United States and Canada, and to evaluate and recommend improvements to PACP for future versions. Michelle has authored several sections in the newly-released NASSCO Manual of Practice, a best practices guideline available to help cities and contractors achieve a high-level of standard on PACP inspections and other work.

Michelle is an industry expert in condition assessment, and forecasting RUL of large diameter sewer assets, and has the experience to deliver high quality data and results to the District.

## ***PROJECT PLAN***

NPS has cleaned and inspected over 20 million linear feet of pipelines over the last decade, so we are highly experienced in the inspection and maintenance of collection systems in the West. Our cleaning, CCTV, and multi-sensor crews are dedicated to each of their duties, so have the highest level of experience and skill. NPS owns its own fleet of equipment out of our Long Beach service yard. The crews are trained to trouble shoot and repair various issues, and we have backup equipment available in case of a mechanical issue.

Cleaning will be completed first to the Districts specifications, then immediately inspected to ensure we obtain the highest quality data. Work is planned to be completed at night to take advantage of low flows. Based on the representations by the District that flows are 50% or less, and by working at night, we do not anticipate that bypassing will be required to meet the 50% flow limit. We have a large fleet of 14 cleaning trucks up to 125 gpm capacity, including 3 recycling jet vac trucks that minimize water use and are efficient cleaning trucks.

Crews will have small and large tractors on site to handle all pipe diameters. Our large tractor is a custom Carylon Corporation tractor that can handle high flows. Each tractor is adjustable to raise the camera up to the center of the pipeline, along with extra high-powered LED lights, to ensure a high-quality CCTV inspection. All videos are recorded on the highest recording setting, MPEG4 or greater.

The CCTV camera is a live feed to the deployment truck, which ensures detailed images of all pipeline defects, and instantaneous feedback of any dangerous conditions which could result in the camera getting stuck in the line. All defects are PACP coded in the field, with the operator zooming in to get the best images while coding.

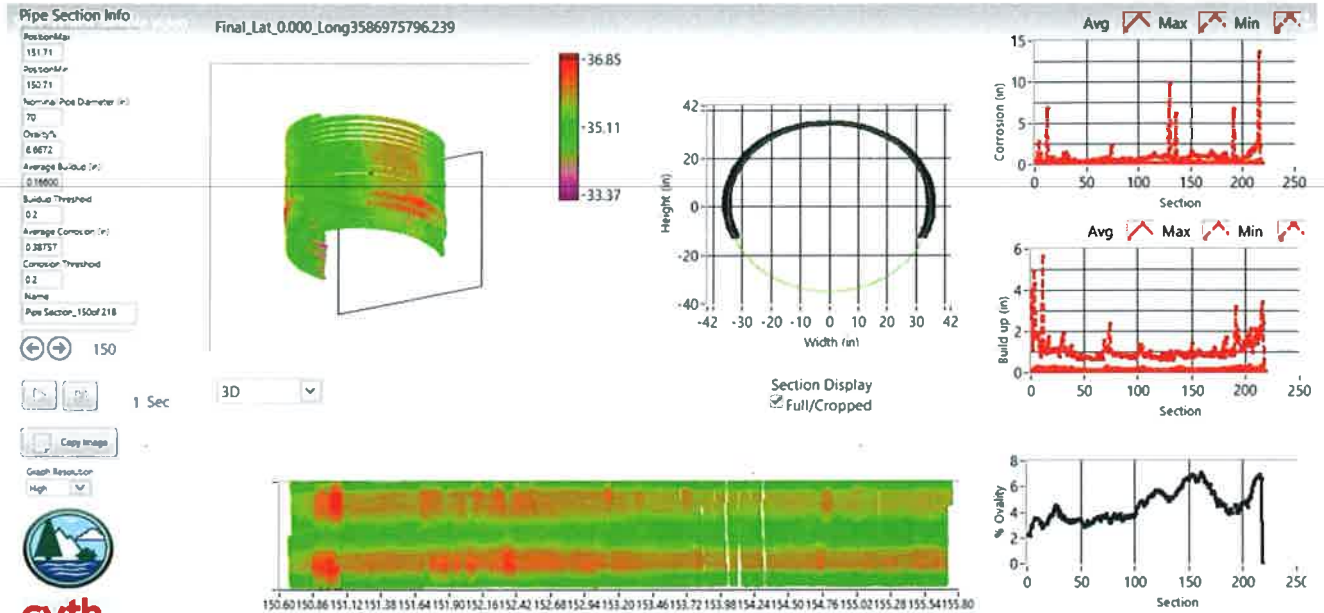
For the larger diameter sewers, the laser and sonar are simultaneously collecting data as the operators are performing their normal CCTV inspection. The laser reporting for every inspection is very detailed, as the laser collects hundreds of thousands of measurements at each foot of scan. The deliverables for our multi-sensor inspections are as follows:

- CCTV Video and Snapshots



## NATIONAL PLANT SERVICES PROPOSAL FOR VALLEY SANITARY DISTRICT

- PACP database and reports
- Multi Sensor Reports which combine the CCTV, Laser, and Sonar
- Excel Spreadsheets of corrosion and buildup for every foot of pipe
- 3D Laser Scan Movies
- NPS laser viewing software
- Sonar Movies in mpeg
- Sonar Excel spreadsheets and graphs showing debris per foot of pipe



  
3D Laser Viewer

### FINAL REPORTS:

The final multi-sensor inspection reports are comprehensive summaries of all CCTV, laser, and sonar data, and are presented in pdf format. Pipe wall corrosion and buildup are provided above the water line from the laser, and overall quantities are given for debris below the water line from the sonar data. Graphic displays of corrosion, cross sectional dimensions, and maximum ovality are also called out in the report.

Measured pipe ID that coincides with inspected values will be depicted in colored images. A Debris graph will be produced for every section plotting the debris for every sonar slice. Cross-sectional snapshots will be taken to present areas of highest debris levels.

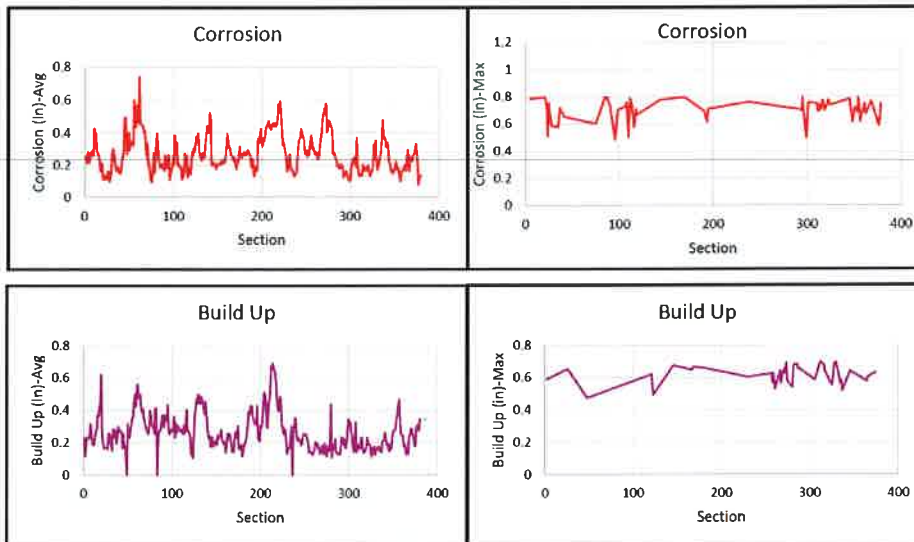
For all of our inspection projects, we provide instruction sheets and a final in-person review session, so it is clear where all information can be found, what should be done with it, and what any next steps should be. This is presented and reviewed when the client first starts to receive their data, and at the final summary review meeting at the District offices.





# NATIONAL PLANT SERVICES PROPOSAL FOR VALLEY SANITARY DISTRICT

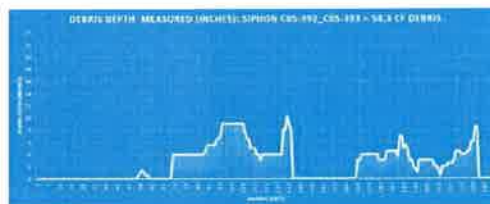
<b>Measurement</b>	<b>Measurement From Pipe Center (Inches)</b>
Average Corrosion	0.268991832
Maximum Average Corrosion	0.697221431
Maximum Corrosion	0.798335
Average Buildup	0.262958963
Maximum Average Buildup	0.617974744
Maximum Buildup	0.696737



RELATIVELY CLEAN SIPHON

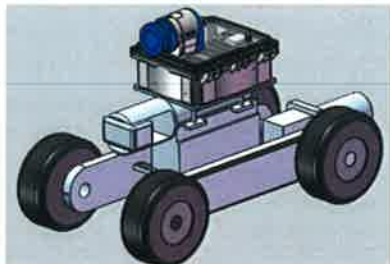


SIPHON WITH SIGNIFICANT DEBRIS



## LARGE CARYLON TRACTOR INSPECTING 120" PIPE

Tractor Platform





## NATIONAL PLANT SERVICES PROPOSAL FOR VALLEY SANITARY DISTRICT

**SIPHON APPROACH:** Three siphons are in excess of 1200 LF and, therefore, bypassing and dewatering siphons will be cost prohibitive. It is recommended that these siphons be cleaned to remove as much debris as possible while the siphon is in service, and then inspected with sonar. We are recommending the same approach for the smaller siphons.

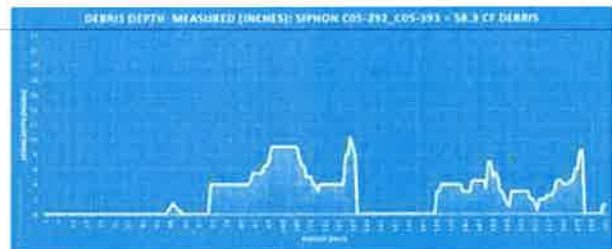
The sonar used for this project will be our Marine Electronics Sonar unit. This sonar unit attaches to the bottom of the Carylton 3D system, or is put inside of a sonar cage to inspect submerged siphons. Sonar requires a minimum flow to operate and collect data, and only collects data below the water line. We deliver sonar mpeg movies showing each sonar inspection, and debris graphs and spreadsheets showing debris at every foot of pipe.



**RELATIVELY CLEAN SIPHON**



**SIPHON WITH SIGNIFICANT DEBRIS**



### Traffic Planning

Traffic plans and permits, when necessary, will be submitted promptly after the field reconnaissance to ensure traffic control plan approval prior to mobilization for the job. We are knowledgeable and experienced with all CA MUTCD regulations and protocols, and our sub-contractor TPR Traffic Solutions will assist in this effort, if needed.

When work is ready to begin, an updated deployment plan and schedule will be completed and shared with the District. We will mobilize our robotic inspection platform, crew personnel, and support trucks to the location. The work will be completed per the schedule, inspecting either during day and/or night time hours, depending on need. The schedule will be updated weekly and compared against the baseline schedule to ensure we are meeting the schedule plan and milestones. Any changes to the schedule will be reviewed promptly with the District for approval.

Typical deployments start from an upstream manhole and will proceed downstream until the inspection is complete, then the unit will return to the starting manhole for retrieval. CCTV and laser data will be gathered above the flow, and sonar data will be gathered below the flow line. All data will be carefully reviewed for accuracy after each deployment. Crews will not demobilize from the site until we are certain that we obtained complete and accurate CCTV, laser, and sonar data. Backup hard drives will be made of all data to ensure no data is lost.

Daily emails will be sent to District staff informing them of the work completed that day, any issues encountered, and the start location for the next workday. Status meetings will be held each Friday with the District staff to review the segments inspected that week, and to discuss the schedule of work for the next week. Any significant issues discovered in the field will be told to the District staff immediately by field crews.



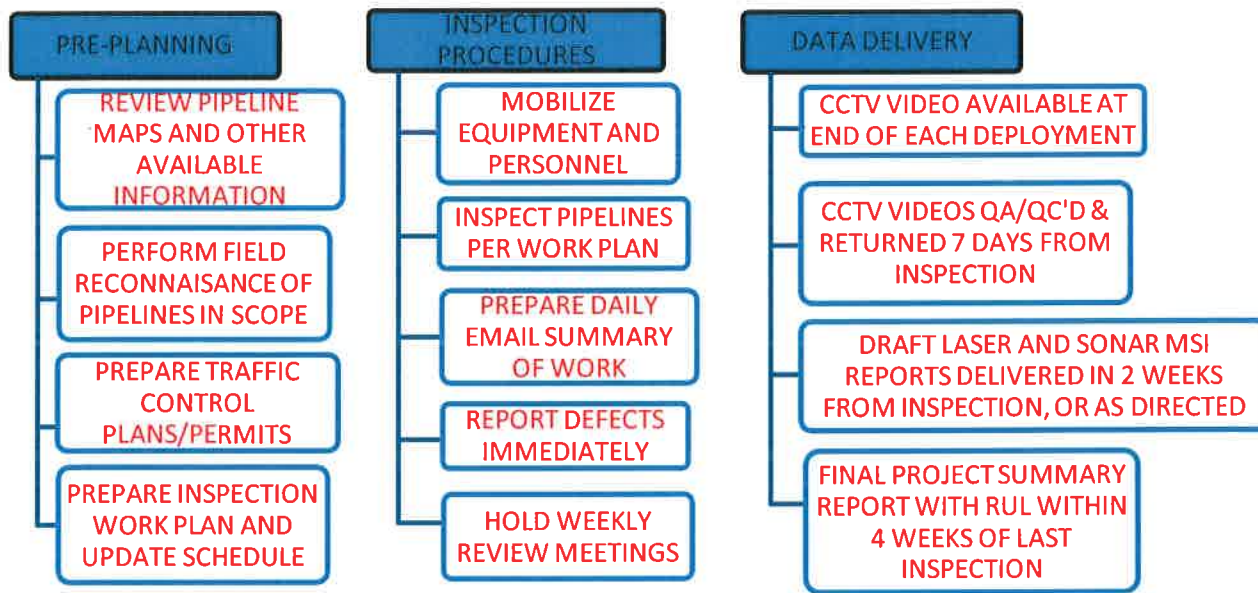
## NATIONAL PLANT SERVICES PROPOSAL FOR VALLEY SANITARY DISTRICT

While CCTV video will be available to the District immediately after each inspection, laser and sonar data must be post-processed by our processing team. Technicians will post process all data from the laser and return to the client within 2 weeks of the last inspection.

All CCTV data will be PACP coded so the client can determine the lines that are most at risk. Client will receive video, snapshots, and a PACP 7 Exchange database for import into their Asset Management system

- Michelle Beason will act as Project Manager and Project Engineer.
- Daily production summary and next day start locations will be prepared and sent via email.
- Weekly progress meetings will be held (via web meeting) each Friday to discuss the project, and the inspection plans and updated schedule for the next week.
- Significant Structural or O&M defects will be reported to the District staff immediately upon discovery.
- Problems with access or pipeline conditions will be reported immediately, with follow up action decided between the District and NPS.

### PROJECT MANAGEMENT PLAN SUMMARY



#### Communication Procedure

NPS is based in California, having offices and crews deployed out of Long Beach This will be key to the project success and increase efficiencies and communication during all phases of the project.

All NPS personnel have mobile phones for ready access in the field. The field Supervisors and Project Manager also have emails that connect directly to their smartphones. At the kickoff meeting, the Project Manager will prepare and review a Project Summary document that will list all NPS and the District personnel and contact information. A scenario-based communication tree will also be developed, to streamline the communications between all parties.



## NATIONAL PLANT SERVICES PROPOSAL FOR VALLEY SANITARY DISTRICT

### **Quality Assurance**

NPS views data integrity and quality as the most important part of the project. If the data isn't usable, it's useless. All CCTV inspections are viewed live in the field during each inspection, so any poor-quality video will be immediately corrected and re-televised, as necessary.

If selected for the project, NPS will deliver the inspections completed on the first deployment day to the District to ensure their satisfaction with the inspection quality.



## RESUMES



Michelle D. Beason, PE

## Michelle D. Beason, PE Regional Manager

Michelle Beason received a BS in Civil Engineering from Purdue University, and is a registered California PE with 27-years experience in planning, design, construction, and asset management of water, stormwater, and wastewater assets. Michelle has extensive professional engineering and management experience in Public Works projects including: Asset Management practices, planning and design of water and wastewater facilities, pipeline and facility inspection and maintenance, project management, engineering consulting, and construction of trenchless rehabilitation solutions.

She has worked as a Project Engineer for Black & Veatch, as an Asset Management Engineer with the East Bay Municipal Utility District, she owned her own Engineering & Construction firm for 5 years, and for the last 10 years has specialized in multi-sensor inspections, cleaning, and trenchless rehabilitation of sewer, storm, and water assets. She is currently the Regional Manager for National Plant Services, Inc., covering the 12 Western States, including Hawaii and Alaska. Michelle is also active in many industry organizations. In addition to serving as a Board Member of Western Chapter of NASTT (North American Society of Trenchless Technology), she is a Board Member of NASSCO, and is Chair of the NASSCO Infrastructure Assessment Committee which manages revisions and updates to NASSCO's PACP/MACP/LACP coding.

### Regional Manager, National Plant Services, Inc.

National Plant Services specializes in a full array of environmental maintenance and repair services including: multi-sensor robotic inspections using TV/laser/sonar, large and small diameter sewer cleaning, CCTV inspection services, live water main inspection and leak detection, sewer point repairs, manhole/lateral/mainline rehabilitation (coatings/grouting/CIPP lining, UV/CIPP Point repairs), centrifugally cast concrete pipe lining (CCCP), acoustical inspection services, sewer studies, digester cleaning, and vacuum excavation. Michelle has Managed hundreds of projects over the last 6 years with NPS, and is known nationally as a condition assessment specialist. She has managed and analyzed millions of feet of CCTV and multi-sensor inspection results and provided final recommendation reports including RUL (remaining useful life), rehabilitation recommendations, cleaning and inspection frequencies, and CIP planning.

### Prior to National Plant Services, Inc.

#### Director of Client Services/Key Account Manager, RedZone Robotics, Inc.

- Project manager on dozens of condition assessment projects in large diameter sewer pipelines.
- Reviewed CCTV and multi-sensor inspection reports to determine RUL and rehabilitation recommendations for sewer and storm pipelines for cities across the US and Canada. Prepared final reports.
- Advised key personnel at hundreds of Cities on BMPs for sewer inspections and maintenance, and in the development of unique Asset Management Programs. Analyzed and provided remaining useful life, rehabilitation, and re-inspection recommendations based on inspection results.

#### Education

BS Civil Engineering,  
Purdue University, 1993

#### Registration/Certification:

Professional Civil Engineer  
CS5331

PACP/MACP/LACP  
Certification  
U-413-17097

CA General Contractor A, E  
#1010254

Water Distribution  
Operator Certification, D-  
2, #46247

#### Honors/Awards

EBMUD Employee  
Excellence Award, 2005

Profiled as one of 5  
Women in the "Women  
Impacting Water" Feature  
Magazine, CWEA, 2017







# NATIONAL PLANT SERVICES PROPOSAL FOR VALLEY SANITARY DISTRICT

- Guided and managed the development and implementation of CMMS Asset Management software for numerous cities including PM and CM creation and scheduling, and CIP planning.
- Consulting, business development, and technical sales for laser and sonar robotic inspection services and cloud-based SAAS software sales to C-level staff, marketing presentations, response to technical proposals and RFP's, new client interviews and negotiations, project management, and client satisfaction for clients across the 10 Western States and Canada.

## President, Camelot Engineering & Construction, Inc., Walnut Creek, CA

- Responsible for all company operation and managerial duties including client negotiations, cost estimating, contract preparation, scheduling and material procurement, client satisfaction, bookkeeping, residential structures design, permitting, traffic control, safety, training, negotiations, and labor management for all phases of residential construction projects.
- Installed new sewer laterals and PG&E Joint Trench for various projects; replaced broken sewer laterals.
- Coordinated with local and state governments.
- Recruited, hired, and trained 17 employees and directed and supervised all work.
- Ensured timely, accurate, and within budget completion of all projects, including work of sub-contractors.

## Associate Civil Engineer/Acting Senior Civil Engineer, EBMUD, Oakland, CA

- Earned 2005 EBMUD Employee Leadership Award for effective management and coordination of 60 simultaneous Capital and Operating construction projects. Developed and implemented a project tracking procedure, including budget preparation, project scheduling, resource loading, and cost tracking for the O&M Department.
- Developed and controlled capital and operating budgets; set long-range CIP schedule.
- Designed a GIS-based application for the selection of critical and backbone facilities, as well as interfaces with MAXIMO work order database.
- Directed Reliability Centered Maintenance planning efforts; coordinated with O&M staff to determine maintenance schedules and run to failure designations for District infrastructure.
- Situation Status lead for the EBMUD Emergency Operations Team for 7 years; rendered prompt response to all District emergency situations.
- Initiated and was the Chairperson of the District Outage Review Committee. Coordinated all work between Planning, Engineering, Operations, and Maintenance departments.

## OTHER EXPERIENCE:

Project Engineer, Black & Veatch, 1993-1994

Project Engineer, Capitol Engineering, 1993

Junior On-Scene Coordinator, US EPA, 1986-1993

## Professional Activities

Board Member, NASSCO (National Association of Sewer Service Companies), 2018-Present

Chair, NASSCO Infrastructure Assessment Committee, Chair from 2018-Present, Vice Chair from 2016-2018

Board Member, Western Chapter of the North American Society of Trenchless Technology, 2018- Present

Collections Committee Member, CWEA, 2016-Present

## Publications (a sampling of Many publications)

"Stretching our Sewer/Storm Pipeline Cleaning Dollars", Trenchless Technology Magazine, 12/27/19, <https://trenchlesstechnology.com/stretching-our-sewer-storm-pipeline-cleaning-dollars/>

"CCCP to the Rescue! Restoring a Buckling 84-in. CMP Storm Drain on Island of Kaua'I", NASTT, WM-T5-04, 2019.

"NASSCO Manual of Practice", Author of 7 sections, 2018

"The Role of GIS in Asset Management", American Water Works Association, INF53969, June 2001





## Contractor's License Detail for License # 351503

**DISCLAIMER: A license status check provides information taken from the CSLB license database. Before relying on this information, you should be aware of the following limitations.**

- ▶ CSLB complaint disclosure is restricted by law ([B&P 7124.6](#)) If this entity is subject to public complaint disclosure click on link that will appear below for more information. Click [here](#) for a definition of disclosable actions.
- ▶ Only construction related civil judgments reported to CSLB are disclosed ([B&P 7071.17](#)).
- ▶ Arbitrations are not listed unless the contractor fails to comply with the terms.
- ▶ Due to workload, there may be relevant information that has not yet been entered into the board's license database.

Data current as of 1/15/2021 10:58:58 AM

### Business Information

NATIONAL PLANT SERVICES INC  
1461 HARBOR AVENUE  
LONG BEACH, CA 90813  
Business Phone Number:(562) 436-7600

**Entity** Corporation  
**Issue Date** 02/23/1978  
**Expire Date** **11/30/2021**

### License Status

**This license is current and active.**

**All information below should be reviewed.**

### Classifications

- ▶ [C33 - PAINTING AND DECORATING](#)
- ▶ [C-61 / D38 - SAND AND WATER BLASTING](#)
- ▶ [C42 - SANITATION SYSTEM](#)
- ▶ [A - GENERAL ENGINEERING CONTRACTOR](#)

### Bonding Information

#### Contractor's Bond

This license filed a Contractor's Bond with [NATIONWIDE MUTUAL INSURANCE COMPANY](#).

**Bond Number:** BD7900598482

**Bond Amount:** \$15,000

**Effective Date:** 01/01/2016

[Contractor's Bond History](#)

#### Bond of Qualifying Individual

This license filed Bond of Qualifying Individual number **BD7900598480** for DENNIS RICHARD KEENE in the amount of **\$12,500** with [NATIONWIDE MUTUAL INSURANCE COMPANY](#).

**Effective Date:** 01/01/2007

[BQI's Bond History](#)

### Workers' Compensation

This license has workers compensation insurance with the [AMERICAN ZURICH INSURANCE COMPANY](#)

**Policy Number:** WC9377202

**Effective Date:** 10/31/2015

**Expire Date:** 10/31/2021

[Workers' Compensation History](#)



## Contractor Information

**Legal Entity Name**  
NATIONAL PLANT SERVICES, INC.  
**Legal Entity Type**  
Corporation  
**Status**  
Active  
**Registration Number**  
1000002703  
**Registration effective date**  
7/1/2020  
**Registration expiration date**  
6/30/2022  
**Mailing Address**  
1461 HARBOR AVENUE LONG BEACH 90813 CA United States of A...  
**Physical Address**  
1461 HARBOR AVENUE LONG BEACH 90813 CA United States of A...  
**Email Address**  
**Trade Name/DBA**  
NATIONAL PLANT SERVICES, INC.  
**License Number(s)**  
CSLB:351503  
CSLB:351503

## Registration History

Effective Date	Expiration Date
6/11/2018	6/30/2019
5/12/2017	6/30/2018
6/16/2016	6/30/2017
7/1/2015	6/30/2016
11/12/2014	6/30/2015
7/1/2019	6/30/2020
7/1/2020	6/30/2022

## Legal Entity Information

**Agent of Service Name:**  
DENNIS KEENE  
**Agent of Service Mailing Address:**  
1461 HARBOR AVENUE LONG BEACH 90813 CA United States of America  
**Corporation Number:**  
**Federal Employment Identification Number:**  
**President Name:**  
DENNIS KEENE  
**Vice President Name:**  
**Treasurer Name:**  
**Secretary Name:**  
MARIO ABAD  
**CEO Name:**

## Workers Compensation

Do you lease employees through Professional Employer Organization (PEO)? No

Please provide your current workers compensation insurance information below:

PEO Information	PEO Name	PEO Phone	PEO Email

Insured by Carrier

**Policy Holder Name:**NATIONAL PLANT SERVICES, INC.**Insurance Carrier:**AMERICAN ZURICH INSURANCE COMPANY

**Policy Number:**WC 9377202-16**Inception date:**10/30/2019**Expiration Date:**10/30/2020



**Valley Sanitary District  
Board of Directors Meeting  
January 26, 2021**

**TO:** Board of Directors

**THROUGH:** Beverli A. Marshall, General Manager

**FROM:** Ronald Buchwald, Engineering Services Manager

**SUBJECT: Discuss Capital Improvement Program for Fiscal Year 2020/21**

<input type="checkbox"/> Board Action	<input type="checkbox"/> New Budget Approval	<input type="checkbox"/> Contract Award
<input checked="" type="checkbox"/> Board Information	<input type="checkbox"/> Existing FY Approved Budget	<input type="checkbox"/> Closed Session

**Executive Summary**

The purpose of this report is to inform and update the Board of Directors on the capital improvement projects that are currently planned for Fiscal Year 2020/21 and beyond.

**Strategic Plan Compliance**

This item complies with VSD Strategic Plan Objective 3: Excellent Facilities.

**Fiscal Impact**

FY 2020-21 Budgets are included in the project summaries below.

**Background**

The District has programmed several major capital improvement projects for Fiscal Year 2020/21 and beyond. The following is a list of improvement projects only and does not include the Revenue Bonds Repayment, Vehicle & Equipment Replacement Fund, Lateral Grant Fund, Sewer Main Emergency Repairs, and Contingency Fund. The projects listed have been updated to show total project cost, status, and the need for them.

Influent Pump Station Rehabilitation

FY 2020/21 Budget	\$1,200,000
Total Project Budget	\$2,591,129
Design Start Date	December 2020
Estimated Construction Completion Date	March 2022

**Status:** Stantec is assisting the District as an Owner’s Representative for the rehabilitation of the influent pump station structure which is showing significant signs of deterioration. VSD has awarded the Design/Build project to Downing Construction and Dudek Engineering. This project consists of installing sewer main by-pass to fully inspect the influent pump station to determine the

necessary repairs. The initial design and construction estimate will then be completed. A final award by the Board will then allow this project to go to construction. The repairs are necessary to keep the influent pump station working properly. Postponing the repairs will cause permanent damage to the structure and/or cause a complete failure of the pump station.

#### Collections System Rehabilitation Projects

FY 2020/21 Budget	\$2,643,928
Total Project Budget	\$57,489,904
Design Complete	Varies; 12-year project
Bid Period	Varies
Estimated Construction Start Dates	September 2020
Estimated Construction Completion Dates	June 30, 2021

Status: Harris & Associates is assisting the District in creating a 12-year rehabilitation and replacement program for the collection system. Staff is currently working with Harris to prepare three projects for this fiscal year. The first project will consist of the rehabilitation of approximately 2,300 feet of sewer located in Indio Boulevard and underneath the railroad near Cabazon Avenue using cured in place lining. The second project will consist of construction a new sewer main within an easement and Flower Street to replace a deficient sewer main in the alley and alleviate service from businesses with old laterals between Salton and Flower Street. The third project consists of performing CCTV inspection on difficult sewer mains. Projects are continuing to be generated on a high priority basis. There are several sewer mains reaching the end of their useful life.

#### Reclaimed Water Project Phase 1

FY 2020/21 Budget	\$5,749,692
Total Project Budget	\$46 to \$50 million
Design Start Date	July 2020
Estimated Construction Start Date	January 2022

Status: The contract for this project has been awarded to Schneider Electric / Stantec. The initial project design cost is \$2,200,000 and will be due in FY 2021/22. Final design and construction costs will be determined during the initial design phase and will be awarded to Schneider Electric / Stantec upon approval of the Board. The Reclaimed Water Project – Phase 1 will replace an aging and capacity restricting grit chamber and provide redundancy by adding a second digester, expanding the bar screens and adding a sludge thickening mechanical device called a DAFT unit. This project is necessary to meet upcoming regulatory requirements for ammonia and to be able to produce reclaimed water in the future.

#### Westward Ho Sewer Siphon Replacement Design and Construction

FY 2020/21 Budget	\$1,325,000
Total Project Budget	\$5,138,074
Design Complete	February 2021
Permits/Bid Period	March – July 2021

Estimated Construction Start Date	August 2021
Estimated Construction Completion Date	January 2022

Status: Carollo Engineers is currently working with VSD on the final design of a new sewer siphon that crosses the CVWD storm channel at Westward Ho Drive that will be below the new channel scour depth. The design consists of utilizing horizontal directional drilling to create a new sewer siphon alignment under the channel. Permit processing with at least CVWD and possibly other regulatory agencies may extend the design/permit period. Some or possibly all the project costs will be reimbursed by FEMA / CalOES.

#### New Training and Office Building

FY 2020/21 Budget	\$100,000
Total Project Budget	\$6,150,799
Design Start Date	June 2020
Design Completion Date	January 2021

Status: The District has selected an architect for the initial design of a new training and office building. As part of this initial design a schematic layout of the building will be determined along with an estimated construction cost. This building will provide space for new offices for collections and maintenance personnel as well as a training area for company events and meetings.

#### Van Buren Slope Protection

FY 2020/21 Budget	\$250,000
Design Complete	July 2020
Bid Period	August – September 2020
Construction Start Date	October 2020
Construction Completion Date	February 2021

Status: The slope along the south end of the District's property is being eroded during flooding events which is causing the posts of the chain link fence to become exposed and weakened. The City of Indio worked with the District to develop a solution to protect the slope (within City right-of-way) and provide a minimal fee permit to perform the work. The protection includes large rocks imbedded within gravel and a regraded slope.

#### Additional Parking & Landscaping

Design Complete	TBD
Bid Period	TBD
Estimated Construction Start Date	TBD
Estimated Construction Completion Date	TBD

Status: The District is need of additional parking for employees and customers. Staff proposes to remove the lawn at the front of the property and replace it with parking and drought tolerant landscaping. Staff completed a preliminary design layout as part of a group project. The next step is to higher a consultant to complete the design plans and bid documents to go out to bid. This project is on hold for the time being until projects above are completed due to staff limitations.

Completion of Perimeter Fence Project

FY 2020/21 Budget	\$280,000
Design Complete	TBD
Bid Period	TBD
Estimated Construction Start Date	TBD
Estimated Construction Completion Date	TBD

Status: This project has been postponed due to the need for a design of the fence before construction. The location and terrain of the proposed fence is such that it will need to be designed by a consultant. Staff is limited with the number of projects already in process that have a higher priority than this project. Current night security patrol has limited the theft and damage of District property.

Steel Water Main Replacement

FY 2020/21 Budget	\$142,000
Design Complete	TBD
Bid Period	TBD
Estimated Construction Start Date	TBD
Estimated Construction Completion Date	TBD

Status: The above ground, steel waterline adjacent to the aeration basins is old and prone to leaks, especially at the grooved joints, and has exceeded its useful life. The new steel waterline will have traditional joints that will provide a longer life. This project has been on the books for several years and has been a lower priority due to lack of leaks in recent years and the difficult nature of replacement.

Recycled Water Main Extension

FY 2020/21 Budget	\$60,000
Design Complete	TBD
Bid Period	TBD
Estimated Construction Start Date	TBD
Estimated Construction Completion Date	TBD

Status: Staff would like to extend the secondary effluent pipeline system about 250 feet to the pond chlorine contact chamber to save significant potable water when cleaning the pond chlorine contact chamber. This will allow the use of secondary effluent water to be used to clean the chamber instead of potable water. This project has been in the budget for the second year. It has been on hold waiting for staff to have time to design and install the water main themselves.

**Recommendation**

Staff recommends that the listed projects continue towards completion in a timely manner.

**Attachments**

Attachment A: FY 2020-21 Capital Improvement & Capital Replacement Plan

**VALLEY SANITARY DISTRICT - CAPITAL IMPROVEMENT AND CAPITAL REPLACEMENT PLAN - 2021 PLUS 5 YEAR INCREASE**

NOTES PROJECT	2020-2021		2021-2022		2022-2023		2023-2024		2024-2025		2025-2026		2026-2027		2027-2028		2028-2029		2029-2030		Total for Future Years		
	Fund 12 Costs	Fund 13 Costs	Fund 12 Costs	Fund 13 Costs	Fund 12 Costs	Fund 13 Costs	Fund 12 Costs	Fund 13 Costs	Fund 12 Costs	Fund 13 Costs	Fund 12 Costs	Fund 13 Costs	Fund 12 Costs	Fund 13 Costs	Fund 12 Costs	Fund 13 Costs	Fund 12 Costs	Fund 13 Costs	Fund 12 Costs	Fund 13 Costs	Fund 12 Costs	Fund 13 Costs	
<b>Capital Projects - Plant</b>																							
1 Revenue Bonds 2015 - (11 year term)	\$428,959		\$426,926		\$426,567		\$426,119		\$426,956		\$426,836												
4 Financing Payment Schedule 2022 - (20 year term)					\$1,680,400	\$1,680,400	\$1,680,400	\$1,680,400	\$1,680,400	\$1,680,400	\$1,680,400	\$1,680,400	\$1,680,400	\$1,680,400	\$1,680,400	\$1,680,400	\$1,680,400	\$1,680,400	\$1,680,400	\$1,680,400	\$1,680,400	\$1,680,400	
3 Reclaimed Water Project Phase 1 Design Build	\$3,449,815	\$2,299,877	\$7,998,563	\$5,332,375	\$8,238,519	\$5,492,346																	
Reclaimed Water Project Phase 2 Design Build			\$2,605,833	\$1,737,222	\$10,423,334	\$6,948,889																	
4 Reclaimed Water Project Phase 3 Design					\$3,489,473	\$5,234,210																	
4 Reclaimed Water Project Phase 3 Construction							\$11,681,701	\$17,522,552	\$12,032,152	\$18,048,228													
4 Future Plant Expansion 2040 & beyond																					\$108,979,876	\$163,469,814	
Influent Pump Station Rehabilitation Design Build	\$1,200,000		\$1,391,129																				
6 Training & Office Building - Design (Carry Over)		\$100,000		\$533,880																			
6 Training & Office Building - Construction									\$1,768,241		\$2,961,835												
7 Vehicle & Major Equipment Replacement Fund	\$638,000		\$638,000		\$638,000		\$638,000		\$638,000		\$638,000		\$638,000		\$638,000		\$638,000		\$638,000				
7 Fence Extension & Fortification (Carry Over) plus	\$280,000																						
7 Steel Water Line Replacement (Carry Over)																							
7 Van Buren Slope Protection	\$250,000																						
6 Additional Parking & Landscaping		\$250,000																					
7 Recycled Water Main Extension (Carry Over)																							
7 Switch Board Main Service Replacement			\$250,000																				
<b>Capital Projects - Collections</b>																							
7 Lateral Grant Program	\$54,000		\$55,080		\$56,182		\$57,306		\$58,452		\$59,621		\$60,813		\$62,029		\$63,270		\$64,535				
7 Sewer Main Rehabilitation or Replacement Design	\$834,074		\$1,293,148		\$1,336,598		\$1,385,517		\$1,432,071		\$1,480,188		\$1,529,923		\$1,054,219		\$544,820						
7 Sewer Main Rehabilitation or Replacement Const.	\$1,809,854		\$3,741,341		\$5,800,570		\$6,012,871		\$6,214,904		\$6,423,724		\$6,639,561		\$4,575,105		\$2,364,407						
7 Manhole Rehabilitation																				\$138,424			
7 Sewer Main Emergency Repairs	\$112,000		\$115,360		\$118,821		\$122,386		\$126,058		\$129,840		\$133,735		\$137,747		\$141,879		\$146,135				
5 Avenue 48 Sewer Main Upgrade Design																					\$56,625	\$169,875	
5 Avenue 48 Sewer Main Upgrade Construction																					\$544,183	\$1,632,549	
5 Interim Collection System CIP Design																					\$69,024	\$207,071	
5 Interim Collection System CIP Construction																					\$663,850	\$1,991,549	
5 Build-out Collection System CIP projects																						\$6,399,835	
5 Emergency Sewer Siphon Replacement Design	\$325,000		\$318,800																				
6 Emergency Sewer Siphon Replacement Const.	\$1,000,000		\$3,429,133																				
<b>CONTINGENCY - All Departments Combined</b>																							
	\$92,000		\$93,840		\$95,717		\$97,631		\$99,584		\$101,576		\$103,608		\$105,680		\$107,794		\$109,950		\$1,093,973		
<b>TOTAL</b>	\$10,473,702	\$2,649,877	\$22,357,153	\$7,603,478	\$32,304,181	\$19,355,845	\$22,101,931	\$19,202,952	\$22,708,577	\$21,496,869	\$10,940,185	\$4,642,235	\$10,786,040	\$1,680,400	\$8,253,180	\$1,680,400	\$5,540,570	\$1,680,400	\$2,777,444	\$1,680,400	\$146,695,931	\$209,159,094	
Cumulative total	\$10,473,702	\$2,649,877	\$32,830,855	\$10,253,355	\$65,135,036	\$29,609,200	\$87,236,967	\$48,812,151	\$109,945,545	\$70,309,021	\$120,885,730	\$74,951,256	\$131,671,770	\$76,631,656	\$139,924,950	\$78,312,056	\$145,465,520	\$79,992,456	\$148,242,964	\$81,672,856	\$197,452,981	\$258,807,073	
<b>Fund 13 CIP Expansion</b>																							
Fund 13 Capital Expenses		\$2,649,877	\$7,603,478		\$19,355,845		\$19,202,952		\$21,496,869		\$4,642,235		\$1,680,400		\$1,680,400		\$1,680,400		\$1,680,400		\$1,680,400		
Projected Fund 13 Revenue		\$848,000	\$1,275,000		\$1,350,000		\$1,380,000		\$1,380,000		\$1,380,000		\$1,380,000		\$1,422,500		\$1,450,000		\$1,545,000		\$1,750,485		
Financing Revenue 2022			\$25,000,000																				
Projected Fund 13 Reserve beginning of year		\$6,340,607	\$4,538,730		\$23,210,252		\$5,204,407		(\$12,618,544)		(\$32,735,414)		(\$35,997,649)		(\$36,255,549)		(\$36,485,949)		(\$36,621,349)		(\$36,621,349)		
Projected Fund 13 Reserve end of year		\$4,538,730	\$23,210,252		\$5,204,407		(\$12,618,544)		(\$32,735,414)		(\$35,997,649)		(\$36,255,549)		(\$36,485,949)		(\$36,621,349)		(\$36,621,349)		(\$36,551,264)		
<b>Fund 12 CIP Replacement</b>																							
Fund 12 Capital Expenses	\$10,473,702		\$22,357,153		\$32,304,181		\$22,101,931		\$22,708,577		\$10,940,185		\$10,786,040		\$8,253,180		\$5,540,570		\$2,777,444				
Projected Fund 12 Revenue	\$5,149,104		\$5,767,056		\$6,423,752		\$7,115,692		\$7,890,376		\$8,791,304		\$8,793,304		\$8,844,304		\$8,904,044		\$8,965,576				
Financing Revenue 2022			\$25,000,000																				
Projected Fund 12 Reserve beginning of year	23,496,061		18,171,463		26,581,366		700,937		(14,285,302)		(29,103,503)		(31,252,384)		(33,245,120)		(32,653,996)		(29,290,522)				
Projected Fund 12 Reserve end of year	\$18,171,463		\$26,581,366		\$700,937		(\$14,285,302)		(\$29,103,503)		(\$31,252,384)		(\$33,245,120)		(\$32,653,996)		(\$29,290,522)		(\$23,102,390)				

1 Cost allocation of 52% to expansion is based on \$6M of the \$11.5M bond funds having been applied to project costs that increased capacity.  
 2 Cost allocation of 30% to expansion is based on engineer's cost estimate and evaluation  
 3 Cost allocation of 40% to expansion is based on engineer's cost estimate and evaluation  
 4 Cost allocation of 50% to expansion is based on engineer's cost estimate and evaluation  
 5 Cost allocation of 75% to expansion is based on engineer's cost estimate and evaluation  
 6 Cost allocation of 100% to expansion as the total need for project is due to future development.  
 7 Cost allocation of 0% to expansion as this is replacement or rehabilitation of existing facilities or due to Fund 11 debt service