## Appendix G

Phase 2 Capital Costs





OWNER: Sonoma Water
LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05
OPCC Manager: LMS & NS
Reviewer: CEH

**Description of Work:** Cost Estimating

Type of Estimate: Class 5

Date of This Estimate: 16-Oct-25

| ELEMENT# | DESCRIPTION  | UNIT COST    | UNITS | ANTICIPATED COST                      |
|----------|--|--------------|-------|---------------------------------------|
| 1        | Fill Effluent Pond at FWD WWTP   | \$3,600,000  | 1     | \$3,600,000                           |
| 2        | Suspended Air Flotation at FWD WWTP  | \$7,500,000  | 1     | \$7,500,000                           |
| 3        | Filter influent pump station   | \$2,800,000  | 1     | \$2,800,000                           |
| 4        | Tertiary Disk Filtration at FWD WWTP   | \$3,200,000  | 1     | \$3,200,000                           |
| 5        | Chlorine Contact Basin Expansion at FWD WWTP   | \$3,800,000  | 1     | \$3,800,000                           |
| 6        | Headworks Improvement at GCSD WWTP   | \$900,000    | 1     | \$900,000                             |
| 7        | Pond Aeration System Upgrades at GCSD WWTP   | \$9,400,000  | 1     | \$9,400,000                           |
| 8        | Land Purchase for Storage Pond at GCSD WWTP  | \$5,200,000  | 1     | \$5,200,000                           |
| 9        | Effluent Storage Pond Expansion at GCSD WWTP   | \$34,100,000 | 1     | \$34,100,000                          |
| 10       | Pond Aeration System Upgrades at FWD WWTP  | \$9,500,000  | 1     | \$9,500,000                           |
| 11       | Pipelines at FWD and GCSD WWTP   | \$1,000,000  | 1     | \$1,000,000                           |
| 12       | Inter Facilities Pipelines   | \$9,500,000  | 1     | \$9,500,000                           |
| 13       | Conveyance Pipelines   | \$16,700,000 | 1     | \$16,700,000                          |
| 14       | Recycled Water Pipelines   | \$51,600,000 | 1     | \$51,600,000                          |
| 15       | Land Application (FWD/GCSD)  | \$15,200,000 | 1     | \$15,200,000                          |
| 16       | Conveyance Pump Stations   | \$9,800,000  | 1     | \$9,800,000                           |
| 17       | Tertiary Disk Filtration at RRCSD WWTP   | \$1,700,000  | 1     | \$1,700,000                           |
| 18       | Hydraulics Capacity Improvement at RRCSD WWTP  | \$600,000    | 1     | \$600,000                             |
| 19       | RRCSD CIP  | \$23,000,000 | 1     | \$23,000,000                          |
| 20       | Land Application (RRCSD)   | \$1,400,000  | 1     | \$1,400,000                           |
| 21       | Effluent Storage Pond at RRCSD WWTP  | \$0          | 1     | \$0                                   |
| 22       | Cluster 1 Sewer Service Connection   | \$7,500,000  | 1     | \$7,500,000                           |
| 23       | Cluster 2 Sewer Service Connection   | \$7,900,000  | 1     | \$7,900,000                           |
| 24       | Cluster 3 Sewer Service Connection   | \$21,100,000 | 1     | \$21,100,000                          |
| 25       | Cluster 4 Sewer Service Connection   | \$13,900,000 | 1     | \$13,900,000                          |
| 26       | Cluster 5 Sewer Service Connection   | \$12,800,000 | 1     | \$12,800,000                          |
| 27       | Cluster 6 Sewer Service Connection   | \$45,900,000 | 1     | \$45,900,000                          |
| 28       | Cluster 7 Sewer Service Connection   | \$48,300,000 | 1     | \$48,300,000                          |
| 29       | Cluster 8 Sewer Service Connection   | \$19,700,000 | 1     | \$19,700,000                          |
| 30       | Cluster 9 Sewer Service Connection   | \$16,500,000 | 1     | \$16,500,000                          |
| 31       | Cluster 10 Sewer Service Connection  | \$9,300,000  | 1     | \$9,300,000                           |
| 32       | Cluster 11 Sewer Service Connection  | \$41,600,000 | 1     | \$41,600,000                          |
| 33       | Cluster 12 Sewer Service Connection  | \$87,200,000 | 1     | \$87,200,000                          |
|          | ENGINEER'S PRELIMINARY OPINION OF PROBABLE PROJECT COST  |              |       | \$542,200,000                         |
|          | Construction Contingency   | 0%           |       | \$0                                   |
|          | Engineering Design, Environmental Planning and Studies, Construction                                       | 250/         |       | ¢12E 600 000                          |
|          | Management, ESDC, and Legal and Admin Costs  ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST | 25%          |       | \$135,600,000<br><b>\$677,800,000</b> |



LOCATION: Sonoma County, CA
WYA Project #: 798-50-24-05

heet Title: Eff Pond Fill @FWD

lement #: 1

|    | DESCRIPTION  | MATERIAL      |      | MATERIAL  | MATERIAL    | INSTALL | TOTAL 000T  |
|----|--|---------------|------|-----------|-------------|---------|-------------|
|    | DESCRIPTION  | QTY           | UNIT | UNIT COST | COST        | COST    | TOTAL COST  |
| 1  | Effluent Pond Fill   | 16,100        | CY   | \$120     | \$1,932,000 | \$0     | \$1,932,000 |
| 2  |  |               |      |           |             |         |             |
| 3  |  |               |      |           |             |         |             |
| 4  |  |               |      |           |             |         |             |
| 5  |  |               |      |           |             |         |             |
| 6  |  |               |      |           |             |         |             |
| 7  |  |               |      |           |             |         |             |
| 8  |  |               |      |           |             |         |             |
| 9  |  |               |      |           |             |         |             |
| 10 |  |               |      |           |             |         |             |
|    |  |               |      |           |             |         |             |
|    | SUBTOTAL   |               |      |           |             |         | \$1,932,000 |
|    | Plant Paving, Grading, and Yard Piping   |               |      |           | 10%         |         | \$193,000   |
|    | Mechanical and Piping  |               |      |           | 0%          |         | \$0         |
|    | Electrical   |               |      |           | 0%          |         | \$0         |
|    | Instrumentation and Controls   |               |      |           | 0%          |         | \$0         |
|    | SUBTOTAL   |               |      |           |             |         | \$2,130,000 |
|    | Tax on Materials   |               |      |           | 0%          |         | \$0         |
|    | Contractor's Markup on Sub-Contractors' Work   |               |      |           | 10%         |         | \$0         |
|    | Contractor's Overhead and Profit   |               |      |           | 15%         |         | \$320,000   |
|    | Mobilization and Demobilization  |               |      |           | 5%          |         | \$107,000   |
|    | Contractor's General Conditions  |               |      |           | 10%         |         | \$213,000   |
|    | SUBTOTAL   |               |      |           |             |         | \$2,770,000 |
|    | Project Phase-Level OPCC Contingency   |               | 30%  |           | \$831,000   |         |             |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                               |               |      |           | \$3,600,000 |         |             |
|    | Construction Contingency   |               | 0%   |           | \$0         |         |             |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and | d Legal and A | dmin |           | 25%         |         | \$900,000   |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                              |               |      |           |             |         | \$4,500,000 |

**OPPC PROVIDED BY:** Niloofar S.

**REVIEWED BY:** CEH

**OPPC PREPARATION DATE: 16-Oct-25** 



OWNER: Sonoma Water LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05 Sheet Title: SAF @FWD

ement #: 2

|    |   | MATERIAL |      | MATERIAL  | MATERIAL    | INSTALL     |             |  |
|----|---|----------|------|-----------|-------------|-------------|-------------|--|
|    | DESCRIPTION   | QTY      | UNIT | UNIT COST | COST        | COST        | TOTAL COST  |  |
| 1  | Concrete Pad (to accommodate two 1.5 mgd SAF units)   | 57       | CY   | \$550     | \$31,350    | \$31,350    | \$63,000    |  |
| 2  | Secondary Effluent Junction Box   | 0        | 0    | \$0       | \$98,000    | \$0         | \$98,000    |  |
| 3  | Suspended Air Floatation System (two units, each 1.5 mgd capacity - includes tank, flocculation   | 2        | LS   | \$589,625 | \$1,179,250 | \$1,179,250 | \$2,359,000 |  |
| 4  | Canopy  | 1,480    | SF   | \$85      | \$125,800   | \$0         | \$126,000   |  |
| 5  |   |          |      |           |             |             |             |  |
| 6  |   |          |      |           |             |             |             |  |
| 7  |   |          |      |           |             |             |             |  |
| 8  |   |          |      |           |             |             |             |  |
| 9  |   |          |      |           |             |             |             |  |
| 10 |   |          |      |           |             |             |             |  |
|    |   |          |      |           |             |             |             |  |
|    | SUBTOTAL  |          |      |           |             |             | \$2,646,000 |  |
|    | Plant Paving, Grading, and Yard Piping  |          |      |           | 10%         |             | \$265,000   |  |
|    | Mechanical and Piping   |          |      |           | 10%         |             | \$265,000   |  |
|    | Electrical  |          |      |           | 25%         |             | \$662,000   |  |
|    | Instrumentation and Controls  |          |      |           | 15%         |             | \$397,000   |  |
|    | SUBTOTAL  |          |      |           |             |             | \$4,240,000 |  |
|    | Tax on Materials  |          |      |           | 9.3%        |             | \$133,000   |  |
|    | Contractor's Markup on Sub-Contractors' Work  |          |      |           | 10%         |             | \$106,000   |  |
|    | Contractor's Overhead and Profit  |          |      |           | 15%         |             | \$636,000   |  |
|    | Mobilization and Demobilization   |          |      |           | 5%          |             | \$212,000   |  |
|    | Contractor's General Conditions   |          |      |           | 10%         |             | \$424,000   |  |
|    | SUBTOTAL  |          |      |           |             |             | \$5,750,000 |  |
|    | Project Phase-Level OPCC Contingency 30%  |          |      |           |             |             | \$1,725,000 |  |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST  |          |      |           |             |             | \$7,480,000 |  |
|    | Construction Contingency 0%   |          |      |           |             |             | \$0         |  |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and Legal and Admin 25%  |          |      |           |             |             |             |  |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and Legal and Admin 25% \$1,87 <b>ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST</b> \$9,38 |          |      |           |             |             |             |  |

**OPPC PROVIDED BY:** Niloofar S.

**REVIEWED BY:** CEH



LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05
Sheet Title: FIPS @FWD

Element #: 3

|   |  | MATERIAL      |      | MATERIAL    | MATERIAL    | INSTALL     |             |
|---|--|---------------|------|-------------|-------------|-------------|-------------|
|   | DESCRIPTION  | QTY           | UNIT | UNIT COST   | COST        | COST        | TOTAL COST  |
| 1   | 2.6 mgd pump station before SAF and cloth disk filters                                     | 1             | LS   | \$2,170,000 | \$2,170,000 | \$0         | \$2,170,000 |
| 2   |  |               |      |             |             |             |             |
| 3   |  |               |      |             |             |             |             |
| 4   |  |               |      |             |             |             |             |
| 5   |  |               |      |             |             |             |             |
| 6   |  |               |      |             |             |             |             |
| 7   |  |               |      |             |             |             |             |
| 8   |  |               |      |             |             |             |             |
| 9   |  |               |      |             |             |             |             |
| 10  |  |               |      |             |             |             |             |
|   |  |               |      |             |             |             |             |
|   | SUBTOTAL   |               |      |             |             |             | \$2,170,000 |
|   | Plant Paving, Grading, and Yard Piping   |               |      |             | 0%          |             | \$0         |
|   | Mechanical and Piping  |               |      |             | 0%          |             | \$0         |
|   | Electrical   |               |      |             | 0%          |             | \$0         |
|   | Instrumentation and Controls   |               |      |             | 0%          |             | \$0         |
|   | SUBTOTAL   |               |      |             |             |             | \$2,170,000 |
|   | Tax on Materials   |               |      |             | 0%          |             | \$0         |
|   | Contractor's Markup on Sub-Contractors' Work   |               |      |             | 0%          |             | \$0         |
|   | Contractor's Overhead and Profit   |               |      |             | 0%          |             | \$0         |
|   | Mobilization and Demobilization  |               |      |             | 0%          |             | \$0         |
|   | Contractor's General Conditions  |               |      |             | 0%          |             | \$0         |
|   | SUBTOTAL   |               |      |             |             |             | \$2,170,000 |
|   | Project Phase-Level OPCC Contingency   |               | 30%  |             | \$651,000   |             |             |
| ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST \$2,82 |  |               |      |             |             |             | \$2,820,000 |
|   | Construction Contingency   |               | 0%   |             | \$0         |             |             |
|   | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and | d Legal and A | dmin |             | 25%         |             | \$705,000   |
|   | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                              |               |      |             |             | \$3,530,000 |             |

**OPPC PROVIDED BY:** Niloofar S.

**REVIEWED BY:** CEH



OWNER: Sonoma Water LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05
Sheet Title: Tert.Filt. @FWD

lement #: 4

|   |  | MATERIAL |      | MATERIAL  | MATERIAL  | INSTALL   |             |
|---|--|----------|------|-----------|-----------|-----------|-------------|
|   | DESCRIPTION  | QTY      | UNIT | UNIT COST | COST      | COST      | TOTAL COST  |
| 1   | Concrete Pad (under two 6-Disk filter unit tanks)  | 23       | CY   | \$550     | \$12,650  | \$12,650  | \$25,000    |
| 2   | Cloth Media Filters (two (2) 6-Disk AquaDisk filters in steel tanks treating a max. flow of 2.6 MG | 1        | LS   | \$680,000 | \$680,000 | \$340,000 | \$1,020,000 |
| 3   | Canopy   | 727      | SF   | \$85      | \$61,786  | \$0       | \$62,000    |
| 4   |  |          |      |           |           |           |             |
| 5   |  |          |      |           |           |           |             |
| 6   |  |          |      |           |           |           |             |
| 7   |  |          |      |           |           |           |             |
| 8   |  |          |      |           |           |           |             |
| 9   |  |          |      |           |           |           |             |
| 10  |  |          |      |           |           |           |             |
|   |  |          |      |           |           |           |             |
|   | SUBTOTAL   |          |      |           |           |           | \$1,107,000 |
|   | Plant Paving, Grading, and Yard Piping   |          |      |           | 10%       |           | \$111,000   |
|   | Mechanical and Piping  |          |      |           | 10%       |           | \$111,000   |
|   | Electrical   |          |      |           | 25%       |           | \$277,000   |
|   | Instrumentation and Controls   |          |      |           | 15%       |           | \$166,000   |
|   | SUBTOTAL   |          |      |           |           |           | \$1,770,000 |
|   | Tax on Materials   |          |      |           | 9.3%      |           | \$70,000    |
|   | Contractor's Markup on Sub-Contractors' Work   |          |      |           | 10%       |           | \$44,000    |
|   | Contractor's Overhead and Profit   |          |      |           | 15%       |           | \$266,000   |
|   | Mobilization and Demobilization  |          |      |           | 5%        |           | \$89,000    |
|   | Contractor's General Conditions  |          |      |           | 10%       |           | \$177,000   |
|   | SUBTOTAL   |          |      |           |           |           | \$2,420,000 |
|   | Project Phase-Level OPCC Contingency   |          | 30%  |           | \$726,000 |           |             |
| ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST \$3, |  |          |      |           |           |           | \$3,150,000 |
|   | Construction Contingency   |          |      |           |           |           | \$0         |
|   | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and         |          | 25%  |           | \$788,000 |           |             |
|   | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST \$3,                                 |          |      |           |           |           |             |

**OPPC PROVIDED BY:** Niloofar S.

**REVIEWED BY:** CEH



OWNER: Sonoma Water LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05
Sheet Title: CCB @FWD

ment #: 5

OPPC PROVIDED BY: Niloofar S.
OPPC PREPARATION DATE: 16-Oct-25
REVIEWED BY: CEH

|  | MATERIAL |      | MATERIAL  | MATERIAL  | INSTALL   |             |
|--|----------|------|-----------|-----------|-----------|-------------|
| DESCRIPTION  | QTY      | UNIT | UNIT COST | COST      | COST      | TOTAL COST  |
| 1 Excavation for four new chlorine contact basins                                    | 2,166    | CY   | \$45      | \$97,470  | \$0       | \$97,000    |
| 2 Concrete basins for four (4) new chlorine contactors (match existing)              | 789      | CY   | \$550     | \$433,950 | \$433,950 | \$868,000   |
| 3 Additional chemical storage building for gas cylinders for the two new CCBs.       | 432      | SF   | \$450     | \$194,400 | \$0       | \$194,000   |
| 4 Metal grating over chlorine contact basin inlets                                   | 171      | SF   | \$35      | \$5,985   | \$0       | \$6,000     |
| 5 Surface Mounted Fiberglass Slide Gate and Frame (2 per chlorine contact basin)     | 8        | EA   | \$5,000   | \$40,000  | \$20,000  | \$60,000    |
| 6 Chlorine Ejector (Chlorination) Assembly (1 per chlorine contact basin)            | 4        | EA   | \$10,000  | \$40,000  | \$20,000  | \$60,000    |
| 7 Sulfur Dioxide Ejector (Dechlorination) Assembly (1 per chlorine contact basin)    | 4        | EA   | \$10,000  | \$40,000  | \$20,000  | \$60,000    |
| 8  |          |      |           |           |           |             |
| 9  |          |      |           |           |           |             |
| 10   |          |      |           |           |           |             |
|  |          |      |           |           |           |             |
| SUBTOTAL   |          |      |           |           |           | \$1,345,000 |
| Plant Paving, Grading, and Yard Piping   |          |      |           | 10%       |           | \$135,000   |
| Mechanical and Piping  |          |      |           | 10%       |           | \$135,000   |
| Electrical   |          |      |           | 25%       |           | \$336,000   |
| Instrumentation and Controls   |          |      |           | 15%       |           | \$202,000   |
| SUBTOTAL   |          |      |           |           |           | \$2,150,000 |
| Tax on Materials   |          |      |           | 9.3%      |           | \$79,000    |
| Contractor's Markup on Sub-Contractors' Work   |          |      |           | 10%       |           | \$54,000    |
| Contractor's Overhead and Profit   |          |      |           | 15%       |           | \$323,000   |
| Mobilization and Demobilization  |          |      |           | 5%        |           | \$108,000   |
| Contractor's General Conditions  |          |      |           | 10%       |           | \$215,000   |
| SUBTOTAL   |          |      |           |           |           | \$2,930,000 |
| Project Phase-Level OPCC Contingency   |          |      |           | 30%       |           | \$879,000   |
| ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST \$3,8                   |          |      |           |           |           |             |
| Construction Contingency   |          |      |           | 0%        |           | \$0         |
| Engineering Design, Environmental Planning and Studies, Construction Management, ESE | _        | dmin |           | 25%       |           | \$953,000   |
| ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                        | •        |      |           |           |           | \$4,760,000 |





OWNER: Sonoma Water LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05
Sheet Title: GCSD Headworks

ement #: 6

|    |   | MATERIAL |      | MATERIAL  | MATERIAL  | INSTALL   |             |
|----|---|----------|------|-----------|-----------|-----------|-------------|
|    | DESCRIPTION   | QTY      | UNIT | UNIT COST | COST      | COST      | TOTAL COST  |
| 1  | ROTAMAT Micro Strainer Ro9  | 1        | LS   | \$157,000 | \$157,000 | \$157,000 | \$314,000   |
| 2  | Bin   | 1        | LS   | \$50,000  | \$50,000  | \$0       | \$50,000    |
| 3  |   |          |      |           |           |           |             |
| 4  |   |          |      |           |           |           |             |
| 5  |   |          |      |           |           |           |             |
| 6  |   |          |      |           |           |           |             |
| 7  |   |          |      |           |           |           |             |
| 8  |   |          |      |           |           |           |             |
| 9  |   |          |      |           |           |           |             |
| 10 |   |          |      |           |           |           |             |
| Ē  |   |          |      |           |           |           |             |
|    | SUBTOTAL  | •        |      |           | •         |           | \$364,000   |
|    | Plant Paving, Grading, and Yard Piping  |          |      |           | 0%        |           | \$0         |
|    | Mechanical and Piping   |          |      |           | 5%        |           | \$18,000    |
|    | Electrical  |          |      |           | 25%       |           | \$91,000    |
|    | Instrumentation and Controls  |          |      |           | 15%       |           | \$55,000    |
|    | SUBTOTAL  |          |      |           |           |           | \$530,000   |
|    | Tax on Materials  |          |      |           | 9.3%      |           | \$19,000    |
|    | Contractor's Markup on Sub-Contractors' Work  |          |      |           | 10%       |           | \$15,000    |
|    | Contractor's Overhead and Profit  |          |      |           | 15%       |           | \$80,000    |
|    | Mobilization and Demobilization   |          |      |           | 5%        |           | \$27,000    |
|    | Contractor's General Conditions   |          |      |           | 10%       |           | \$53,000    |
|    | SUBTOTAL  |          |      |           |           |           | \$720,000   |
|    | Project Phase-Level OPCC Contingency  |          |      |           | 30%       |           | \$216,000   |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                              |          |      |           | \$940,000 |           |             |
|    | Construction Contingency  |          | 0%   |           | \$0       |           |             |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, an |          | 25%  |           | \$235,000 |           |             |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                             |          |      |           |           |           | \$1,180,000 |

**OPPC PROVIDED BY:** Niloofar S.

**REVIEWED BY:** CEH



OWNER: Sonoma Water LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05
Sheet Title: Aer.Ponds @GCSD

ment #: 7

| OPPC PROVIDED BY:      | Niloofar S. |
|------------------------|-------------|
| OPPC PREPARATION DATE: | 16-Oct-25   |
| DEVIEWED BY            | CEH         |

|    |  | MATERIAL      |      | MATERIAL    | MATERIAL    | INSTALL     |              |
|----|--|---------------|------|-------------|-------------|-------------|--------------|
|    | DESCRIPTION  | QTY           | UNIT | UNIT COST   | COST        | COST        | TOTAL COST   |
| 1  | Blower Building (houses three (3) 100HP blowers for pond aeration system)                    | 1,053         | SF   | \$550       | \$579,150   | \$0         | \$579,000    |
| 2  | Ares Aeration® Pond Aeration System (in treatment ponds) & Floating Cover (on settling pond) | 1             | EA   | \$1,468,680 | \$1,468,680 | \$1,468,680 | \$2,937,000  |
| 3  |  |               |      |             |             |             |              |
| 4  |  |               |      |             |             |             |              |
| 5  |  |               |      |             |             |             |              |
| 6  |  |               |      |             |             |             |              |
| 7  |  |               |      |             |             |             |              |
| 8  |  |               |      |             |             |             |              |
| 9  |  |               |      |             |             |             |              |
| 10 |  |               |      |             |             |             |              |
|    |  |               |      |             |             |             |              |
|    | SUBTOTAL   |               |      | \$3,516,000 |             |             |              |
|    | Plant Paving, Grading, and Yard Piping   |               |      |             | 10%         |             | \$352,000    |
|    | Mechanical and Piping  |               |      |             | 10%         |             | \$294,000    |
|    | Electrical   |               |      |             | 25%         |             | \$734,000    |
|    | Instrumentation and Controls   |               |      |             | 15%         |             | \$441,000    |
|    | SUBTOTAL   |               |      |             |             |             | \$5,340,000  |
|    | Tax on Materials   |               |      |             | 9.3%        |             | \$136,000    |
|    | Contractor's Markup on Sub-Contractors' Work   |               |      |             | 10%         |             | \$118,000    |
|    | Contractor's Overhead and Profit   |               |      |             | 15%         |             | \$801,000    |
|    | Mobilization and Demobilization  |               |      |             | 5%          |             | \$267,000    |
|    | Contractor's General Conditions  |               |      |             | 10%         |             | \$534,000    |
|    | SUBTOTAL   |               |      |             |             |             | \$7,200,000  |
|    | Project Phase-Level OPCC Contingency   |               |      | 30%         |             | \$2,160,000 |              |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                                 |               |      |             | \$9,360,000 |             |              |
|    | Construction Contingency   |               |      | 0%          |             | \$0         |              |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and   | d Legal and A | dmin |             | 25%         |             | \$2,340,000  |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                                |               |      |             |             |             | \$11,700,000 |



PROJECT: OWNER: LOCATION: WYA Project #:

West County - Alternative 1a **Sonoma Water** 

Sonoma County, CA 798-50-24-05

Land for Pond @GCSD

8

**REVIEWED BY: CEH** 

**OPPC PROVIDED BY:** Niloofar S.

**OPPC PREPARATION DATE:** 16-Oct-25

MATERIAL **MATERIAL** MATERIAL INSTALL **DESCRIPTION UNIT COST** COST QTY UNIT COST **TOTAL COST** Land Purchase 52 acres \$100,000 \$5,200,000 \$0 \$5,200,000 3 4 5 6 7 8 9 10 **SUBTOTAL** \$5,200,000 Plant Paving, Grading, and Yard Piping 0% \$0 \$0 Mechanical and Piping 0% Electrical 0% \$0 \$0 Instrumentation and Controls 0% **SUBTOTAL** \$5,200,000 Tax on Materials 0% \$0 \$0 Contractor's Markup on Sub-Contractors' Work 0% Contractor's Overhead and Profit 0% \$0 Mobilization and Demobilization 0% \$0 Contractor's General Conditions 0% \$0 **SUBTOTAL** \$5,200,000 Project Phase-Level OPCC Contingency 0% ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST \$5,200,000 **Construction Contingency** 0% \$0 Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and Legal and Admin 25% \$1,300,000 ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST \$6,500,000



LOCATION: Sonoma County, CA
WYA Project #: 798-50-24-05

heet Title: Eff.Stor.Pond @GCSD

lement #: 9

|    |   | MATERIAL      |      | MATERIAL  | MATERIAL     | INSTALL |              |
|----|---|---------------|------|-----------|--------------|---------|--------------|
|    | DESCRIPTION   | QTY           | UNIT | UNIT COST | COST         | COST    | TOTAL COST   |
| 1  | Excavation  | 326,000       | CY   | \$45      | \$14,670,000 | \$0     | \$14,670,000 |
| 2  | Rip rap   | 9,000         | ton  | \$375     | \$3,380,000  | \$0     | \$3,380,000  |
| 3  | Gravel  | 2,000         | ton  | \$210     | \$420,000    | \$0     | \$420,000    |
| 4  | Misc Structure  | 2             | EA   | \$100,000 | \$200,000    | \$0     | \$200,000    |
| 5  | Fencing   | 5,024         | LF   | \$75      | \$380,000    | \$0     | \$380,000    |
| 6  |   |               |      |           |              |         |              |
| 7  |   |               |      |           |              |         |              |
| 8  |   |               |      |           |              |         |              |
| 9  |   |               |      |           |              |         |              |
| 10 |   |               |      |           |              |         |              |
|    |   |               |      |           |              |         |              |
|    | SUBTOTAL  |               |      |           |              |         | \$19,050,000 |
|    | Plant Paving, Grading, and Yard Piping  |               |      |           | 0%           |         | \$0          |
|    | Mechanical and Piping   |               |      |           | 5%           |         | \$950,000    |
|    | Electrical  |               |      |           | 0%           |         | \$0          |
|    | Instrumentation and Controls  |               |      |           | 0%           |         | \$0          |
|    | SUBTOTAL  |               |      |           |              |         | \$20,000,000 |
|    | Tax on Materials  |               |      |           | 9.3%         |         | \$200,000    |
|    | Contractor's Markup on Sub-Contractors' Work  |               |      |           | 10%          |         | \$0          |
|    | Contractor's Overhead and Profit  |               |      |           | 15%          |         | \$3,000,000  |
|    | Mobilization and Demobilization   |               |      |           | 5%           |         | \$1,000,000  |
|    | Contractor's General Conditions   |               |      |           | 10%          |         | \$2,000,000  |
|    | SUBTOTAL  |               |      |           |              |         | \$26,200,000 |
|    | Project Phase-Level OPCC Contingency  |               | 30%  |           | \$7,860,000  |         |              |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                              |               |      |           | \$34,060,000 |         |              |
|    | Construction Contingency  |               | 0%   |           | \$0          |         |              |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, an | d Legal and A | dmin |           | 25%          |         | \$8,520,000  |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                             |               |      |           |              |         | \$42,580,000 |



**OPPC PROVIDED BY:** Niloofar S.

**REVIEWED BY:** CEH



OWNER: Sonoma Water LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05
Sheet Title: Aer.Ponds @FWD

ement #: 10

|  |  | MATERIAL |      | MATERIAL    | MATERIAL    | INSTALL     |             |
|--|--|----------|------|-------------|-------------|-------------|-------------|
|  | DESCRIPTION  | QTY      | UNIT | UNIT COST   | COST        | COST        | TOTAL COST  |
| 1  | Blower Building (houses three (3) 75HP blowers for pond aeration system)                                       | 1,053    | SF   | \$450       | \$473,850   | \$0         | \$474,000   |
| 2  | Ares Aeration® Pond Aeration System (in treatment ponds) & Floating Cover (on settling pond)                   | 1        | EA   | \$1,522,440 | \$1,522,440 | \$1,522,440 | \$3,045,000 |
| 3  |  |          |      |             |             |             |             |
| 4  |  |          |      |             |             |             |             |
| 5  |  |          |      |             |             |             |             |
| 6  |  |          |      |             |             |             |             |
| 7  |  |          |      |             |             |             |             |
| 8  |  |          |      |             |             |             |             |
| 9  |  |          |      |             |             |             |             |
| 10   |  |          |      |             |             |             |             |
| 10   |  |          |      |             |             |             |             |
|  | SUBTOTAL   | 1        |      |             | <u> </u>    |             | \$3,519,000 |
|  | Plant Paving, Grading, and Yard Piping   |          |      |             | 10%         |             | \$352,000   |
|  | Mechanical and Piping  |          |      |             | 10%         |             | \$305,000   |
|  | Electrical   |          |      |             | 25%         |             | \$761,000   |
|  | Instrumentation and Controls   |          |      |             | 15%         |             | \$457,000   |
|  | SUBTOTAL   |          |      |             |             |             | \$5,390,000 |
|  | Tax on Materials   |          |      |             | 9.3%        |             | \$141,000   |
|  | Contractor's Markup on Sub-Contractors' Work   |          |      |             | 10%         |             | \$122,000   |
|  | Contractor's Overhead and Profit   |          |      |             | 15%         |             | \$809,000   |
|  | Mobilization and Demobilization  |          |      |             | 5%          |             | \$270,000   |
|  | Contractor's General Conditions  |          |      |             | 10%         |             | \$539,000   |
|  | SUBTOTAL   |          |      |             |             |             | \$7,270,000 |
|  | Project Phase-Level OPCC Contingency   |          | 30%  |             | \$2,181,000 |             |             |
| ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST \$9,4 |  |          |      |             |             |             | \$9,450,000 |
|  | Construction Contingency   |          | _    |             | 0%          |             | \$0         |
|  | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and Legal and Admin 25% |          |      |             |             |             | \$2,363,000 |
|  | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST \$1:   |          |      |             |             |             |             |

**OPPC PROVIDED BY:** Niloofar S.

**REVIEWED BY:** CEH



OWNER: Sonoma Water LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05

Sheet Title: Pipeline-Treatment

Element #: 11

**OPPC PROVIDED BY:** NS

**OPPC PREPARATION DATE: 16-Oct-25** 

|    |  | MATERIAL      |      | MATERIAL  | MATERIAL  | INSTALL |                   |
|----|--|---------------|------|-----------|-----------|---------|-------------------|
|    | DESCRIPTION  | QTY           | UNIT | UNIT COST | COST      | COST    | <b>TOTAL COST</b> |
| 1  | 10 inch Pipeline   | 1,490         | LF   | \$300     | \$447,000 | \$0     | \$447,000         |
| 2  | 14 inch Pipeline   | 270           | LF   | \$420     | \$113,400 | \$0     | \$113,000         |
| 3  |  |               |      |           |           |         |                   |
| 4  |  |               |      |           |           |         |                   |
| 5  |  |               |      |           |           |         |                   |
| 6  |  |               |      |           |           |         |                   |
| 7  |  |               |      |           |           |         |                   |
| 8  |  |               |      |           |           |         |                   |
| 9  |  |               |      |           |           |         |                   |
| 10 |  |               |      |           |           |         |                   |
|    |  |               |      |           |           |         |                   |
|    | SUBTOTAL   |               |      |           |           |         | \$560,000         |
|    | Plant Paving, Grading, and Yard Piping   |               |      |           | 0%        |         | \$0               |
|    | Mechanical and Piping  |               |      |           | 0%        |         | \$0               |
|    | Electrical   |               |      |           | 0%        |         | \$0               |
|    | Instrumentation and Controls   |               |      |           | 0%        |         | \$0               |
|    | SUBTOTAL   |               |      |           |           |         | \$560,000         |
|    | Tax on Materials   |               |      |           | 0%        |         | \$0               |
|    | Contractor's Markup on Sub-Contractors' Work   |               |      |           | 10%       |         | \$0               |
|    | Contractor's Overhead and Profit   |               |      |           | 15%       |         | \$84,000          |
|    | Mobilization and Demobilization  |               |      |           | 5%        |         | \$28,000          |
|    | Contractor's General Conditions  |               |      |           | 10%       |         | \$56,000          |
|    | SUBTOTAL   |               |      |           |           |         | \$730,000         |
|    | Project Phase-Level OPCC Contingency   |               | 30%  |           | \$219,000 |         |                   |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                               |               |      |           |           |         | \$950,000         |
|    | Construction Contingency   |               | 0%   |           |           |         |                   |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and | d Legal and A | dmin |           | 25%       |         | \$238,000         |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                              |               |      |           |           |         | \$1,190,000       |



OWNER: Sonoma Water LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05

Sheet Title: Pipeline-Inter Plants

Element #: 12

**OPPC PROVIDED BY:** NS

**OPPC PREPARATION DATE: 16-Oct-25** 

|    |  | MATERIAL |      | MATERIAL  | MATERIAL    | INSTALL |              |
|----|--|----------|------|-----------|-------------|---------|--------------|
|    | DESCRIPTION  | QTY      | UNIT | UNIT COST | COST        | COST    | TOTAL COST   |
| 1  | Rehab 8 inch Pipeline  | 8,976    | LF   | \$120     | \$1,077,120 | \$0     | \$1,077,000  |
| 2  | 6 inch Pipeline  | 4,224    | LF   | \$180     | \$760,320   | \$0     | \$760,000    |
| 3  | 14 inch Pipeline   | 8,976    | LF   | \$420     | \$3,769,920 | \$0     | \$3,770,000  |
| 4  |  |          |      |           |             |         |              |
| 5  |  |          |      |           |             |         |              |
| 6  |  |          |      |           |             |         |              |
| 7  |  |          |      |           |             |         |              |
| 8  |  |          |      |           |             |         |              |
| 9  |  |          |      |           |             |         |              |
| 10 |  |          |      |           |             |         |              |
|    |  |          |      |           |             |         |              |
|    | SUBTOTAL   |          |      |           |             |         | \$5,607,000  |
|    | Plant Paving, Grading, and Yard Piping   |          |      |           | 0%          |         | \$0          |
|    | Mechanical and Piping  |          |      |           | 0%          |         | \$0          |
|    | Electrical   |          |      |           | 0%          |         | \$0          |
|    | Instrumentation and Controls   |          |      |           | 0%          |         | \$0          |
|    | SUBTOTAL   |          |      |           |             |         | \$5,610,000  |
|    | Tax on Materials   |          |      |           | 0%          |         | \$0          |
|    | Contractor's Markup on Sub-Contractors' Work   |          |      |           | 10%         |         | \$0          |
|    | Contractor's Overhead and Profit   |          |      |           | 15%         |         | \$842,000    |
|    | Mobilization and Demobilization  |          |      |           | 5%          |         | \$281,000    |
|    | Contractor's General Conditions  |          |      |           | 10%         |         | \$561,000    |
|    | SUBTOTAL   |          |      |           |             |         | \$7,290,000  |
|    | Project Phase-Level OPCC Contingency   |          |      |           |             |         | \$2,187,000  |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                               |          |      |           | \$9,480,000 |         |              |
|    | Construction Contingency   |          | 0%   |           | \$0         |         |              |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and |          | 25%  |           | \$2,370,000 |         |              |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                              |          |      |           |             |         | \$11,850,000 |



LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05

heet Title: Pipeline-Conveyance

nent #: 13

**OPPC PROVIDED BY:** NS

**OPPC PREPARATION DATE: 16-Oct-25** 

|    |  | MATERIAL      |      | MATERIAL    | MATERIAL    | INSTALL |              |
|----|--|---------------|------|-------------|-------------|---------|--------------|
|    | DESCRIPTION  | QTY           | UNIT | UNIT COST   | COST        | COST    | TOTAL COST   |
| 1  | 4" Pipeline  | 21,180        | LF   | \$120       | \$2,541,600 | \$0     | \$2,542,000  |
| 2  | 6" Pipeline  | 560           | LF   | \$180       | \$100,800   | \$0     | \$101,000    |
| 3  | 8" Pipeline  | 30,260        | LF   | \$240       | \$7,262,400 | \$0     | \$7,262,000  |
| 4  |  |               |      |             |             |         |              |
| 5  |  |               |      |             |             |         |              |
| 6  |  |               |      |             |             |         |              |
| 7  |  |               |      |             |             |         |              |
| 8  |  |               |      |             |             |         |              |
| 9  |  |               |      |             |             |         |              |
| 10 |  |               |      |             |             |         |              |
|    |  |               |      |             |             |         |              |
|    | SUBTOTAL   |               |      |             |             |         | \$9,905,000  |
|    | Plant Paving, Grading, and Yard Piping   |               |      |             | 0%          |         | \$0          |
|    | Mechanical and Piping  |               |      |             | 0%          |         | \$0          |
|    | Electrical   |               |      |             | 0%          |         | \$0          |
|    | Instrumentation and Controls   |               |      |             | 0%          |         | \$0          |
|    | SUBTOTAL   |               |      |             |             |         | \$9,910,000  |
|    | Tax on Materials   |               |      |             | 0%          |         | \$0          |
|    | Contractor's Markup on Sub-Contractors' Work   |               |      |             | 10%         |         | \$0          |
|    | Contractor's Overhead and Profit   |               |      |             | 15%         |         | \$1,487,000  |
|    | Mobilization and Demobilization  |               |      |             | 5%          |         | \$496,000    |
|    | Contractor's General Conditions  |               |      |             | 10%         |         | \$991,000    |
|    | SUBTOTAL   |               |      |             |             |         | \$12,880,000 |
|    | Project Phase-Level OPCC Contingency   | 30%           |      | \$3,864,000 |             |         |              |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                               |               |      |             |             |         | \$16,740,000 |
|    | Construction Contingency   |               |      |             | 0%          |         | \$0          |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and | d Legal and A | dmin |             | 25%         |         | \$4,185,000  |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                              |               |      |             |             |         | \$20,930,000 |



OWNER: Sonoma Water
LOCATION: Sonoma County, CA
WYA Project #: 798-50-24-05

WYA Project #: 798-50-24-05
Sheet Title: Pipeline-ReW

Element #: 14

|   | MATERIAL        |      | MATERIAL  | MATERIAL     | INSTALL |              |
|---|-----------------|------|-----------|--------------|---------|--------------|
| DESCRIPTION   | QTY             | UNIT | UNIT COST | COST         | COST    | TOTAL COST   |
| 1 12 inch Pipelines   | 79,200          | LF   |           | \$28,512,000 |         | \$28,512,000 |
| 2   | ·               |      |           | T,- ,-       |         | T,- ,·       |
| 3   |                 |      |           |              |         |              |
| 4   |                 |      |           |              |         |              |
| 5   |                 |      |           |              |         |              |
| 6   |                 |      |           |              |         |              |
| 7   |                 |      |           |              |         |              |
|   |                 |      |           |              |         |              |
| 8   |                 |      |           |              |         |              |
| 9   |                 |      |           |              |         |              |
| 10  |                 |      |           |              |         |              |
| CURTOTAL  |                 |      |           |              |         |              |
| SUBTOTAL  |                 |      |           | 00/          |         | \$28,512,000 |
| Plant Paving, Grading, and Yard Piping  |                 |      |           | 0%           |         | \$0<br>\$0   |
| Mechanical and Piping Electrical  |                 |      |           | 0%<br>0%     |         | \$0<br>\$0   |
| Instrumentation and Controls  |                 |      |           | 0%           |         | \$0<br>\$0   |
| SUBTOTAL  |                 |      |           | 0/0          |         | \$28,510,000 |
| Tax on Materials  |                 |      |           | 9.3%         |         | \$2,637,000  |
| Contractor's Markup on Sub-Contractors' Work  |                 |      |           | 10%          |         | \$2,037,000  |
| Contractor's Overhead and Profit  |                 |      |           | 15%          |         | \$4,277,000  |
| Mobilization and Demobilization   |                 |      |           | 5%           |         | \$1,426,000  |
| Contractor's General Conditions   |                 |      |           | 10%          |         | \$2,851,000  |
| SUBTOTAL  |                 |      |           |              |         | \$39,700,000 |
| Project Phase-Level OPCC Contingency  |                 |      |           | 30%          |         | \$11,910,000 |
| ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                          |                 |      |           |              |         | \$51,610,000 |
| Construction Contingency  |                 |      |           | 0%           |         | \$0          |
| Engineering Design, Environmental Planning and Studies, Construction Management, ESDC | and Legal and A | dmin |           | 25%          |         | \$12,903,000 |
| ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                         |                 |      |           |              |         | \$64,510,000 |



**OPPC PROVIDED BY: NS** 

**OPPC PREPARATION DATE: 16-Oct-25** 



LOCATION: Sonoma County, CA
WYA Project #: 798-50-24-05

heet Title: FWD Land Application

ement #: 15 REVIEWED BY: CEH

|    | DESCRIPTION   | MATERIAL      | LINUT | MATERIAL  | MATERIAL     | INSTALL | TOTAL COST   |
|----|---|---------------|-------|-----------|--------------|---------|--------------|
|    | DESCRIPTION   | QTY           | UNIT  | UNIT COST | COST         |         | TOTAL COST   |
| 1  | FWD/GCSD Land Application Area  | 3,040         | acres | \$5,000   | \$15,200,000 | \$0     | \$15,200,000 |
| 2  |   |               |       |           |              |         |              |
| 3  |   |               |       |           |              |         |              |
| 4  |   |               |       |           |              |         |              |
| 5  |   |               |       |           |              |         |              |
| 6  |   |               |       |           |              |         |              |
| 7  |   |               |       |           |              |         |              |
| 8  |   |               |       |           |              |         |              |
| 9  |   |               |       |           |              |         |              |
| 10 |   |               |       |           |              |         |              |
|    |   |               |       |           |              |         |              |
|    | SUBTOTAL  |               |       |           |              |         | \$15,200,000 |
|    | Plant Paving, Grading, and Yard Piping  |               |       |           | 0%           |         | \$0          |
|    | Mechanical and Piping   |               |       |           | 0%           |         | \$0          |
|    | Electrical  |               |       |           | 0%           |         | \$0          |
|    | Instrumentation and Controls  |               |       |           | 0%           |         | \$0          |
|    | SUBTOTAL  |               |       |           |              |         | \$15,200,000 |
|    | Tax on Materials  |               |       |           | 0%           |         | \$0          |
|    | Contractor's Markup on Sub-Contractors' Work  |               |       |           | 0%           |         | \$0          |
|    | Contractor's Overhead and Profit  |               |       |           | 0%           |         | \$0          |
|    | Mobilization and Demobilization   |               |       |           | 0%           |         | \$0          |
|    | Contractor's General Conditions   |               |       |           | 0%           |         | \$0          |
|    | SUBTOTAL  |               |       |           |              |         | \$15,200,000 |
|    | Project Phase-Level OPCC Contingency  |               |       |           | 0%           |         | \$0          |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                              |               |       |           |              |         | \$15,200,000 |
|    | Construction Contingency  |               |       |           | 0%           |         | \$0          |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, an | d Legal and A | dmin  |           | 25%          |         | \$3,800,000  |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                             |               |       |           |              |         | \$19,000,000 |

**OPPC PROVIDED BY:** Niloofar S.



LOCATION: Sonoma County, CA
WYA Project #: 798-50-24-05

Sheet Title: Conveyance PS

ment #: 16

|                             |  | MATERIAL      |      | MATERIAL    | MATERIAL    | INSTALL |              |
|-----------------------------|--|---------------|------|-------------|-------------|---------|--------------|
|                             | DESCRIPTION  | QTY           | UNIT | UNIT COST   | COST        | COST    | TOTAL COST   |
| 1                           | GCSD Secondary Effluent Pump Station   | 1             | EA   | \$1,960,000 | \$1,960,000 | \$0     | \$1,960,000  |
| 2                           | GCSD Tertiary Effluent Pump Station  | 1             | EA   | \$3,050,000 | \$3,050,000 |         | \$3,050,000  |
| 3                           | FWD Tertiary Effluent Pump Station   | 1             | EA   | \$2,500,000 | \$2,500,000 | \$0     |              |
| 4                           |  |               |      |             |             |         |              |
| 5                           |  |               |      |             |             |         |              |
| 6                           |  |               |      |             |             |         |              |
| 7                           |  |               |      |             |             |         |              |
| 8                           |  |               |      |             |             |         |              |
| 9                           |  |               |      |             |             |         |              |
| 10                          |  |               |      |             |             |         |              |
|                             |  |               |      |             |             |         |              |
|                             | SUBTOTAL   |               |      |             |             |         | \$7,510,000  |
|                             | Plant Paving, Grading, and Yard Piping   |               |      |             | 0%          |         | \$0          |
|                             | Mechanical and Piping  |               |      |             | 0%          |         | \$0          |
|                             | Electrical   |               |      |             | 0%          |         | \$0          |
|                             | Instrumentation and Controls   |               |      |             | 0%          |         | \$0          |
|                             | SUBTOTAL   |               |      |             |             |         | \$7,510,000  |
|                             | Tax on Materials   |               |      |             | 0%          |         | \$0          |
|                             | Contractor's Markup on Sub-Contractors' Work   |               |      |             | 0%          |         | \$0          |
|                             | Contractor's Overhead and Profit   |               |      |             | 0%          |         | \$0          |
|                             | Mobilization and Demobilization  |               |      |             | 0%          |         | \$0          |
|                             | Contractor's General Conditions  |               |      |             | 0%          |         | \$0          |
|                             | SUBTOTAL   |               |      |             |             |         | \$7,510,000  |
|                             | Project Phase-Level OPCC Contingency   |               |      |             | 30%         |         | \$2,253,000  |
|                             | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                               |               |      |             |             |         | \$9,760,000  |
| Construction Contingency 0% |  |               |      |             |             |         |              |
|                             | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and | d Legal and A | dmin |             | 25%         |         | \$2,440,000  |
|                             | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                              |               |      |             |             |         | \$12,200,000 |



**OPPC PROVIDED BY: NS** 

**OPPC PREPARATION DATE: 16-Oct-25** 

**REVIEWED BY:** CEH



OWNER: Sonoma Water LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05

lement #: 17

**RRCSD Ter. Filter** 

|            | DESCRIPTION  | QTY           | UNIT  | UNIT COST | COST      | COST      | TOTAL COST  |
|------------|--|---------------|-------|-----------|-----------|-----------|-------------|
| 1          | Cloth Disk Filter  | 1             | LS    | \$400,000 | \$400,000 | \$200,000 | \$600,000   |
| 2          |  |               |       |           |           |           |             |
| 3          |  |               |       |           |           |           |             |
| 4          |  |               |       |           |           |           |             |
| 5          |  |               |       |           |           |           |             |
| 6          |  |               |       |           |           |           |             |
| 7          |  |               |       |           |           |           |             |
| 8          |  |               |       |           |           |           |             |
| 9          |  |               |       |           |           |           |             |
| 10         |  |               |       |           |           |           |             |
|            |  |               |       |           |           |           |             |
|            | SUBTOTAL   |               |       |           |           |           | \$600,000   |
|            | Plant Paving, Grading, and Yard Piping   |               |       |           | 10%       |           | \$60,000    |
|            | Mechanical and Piping  |               |       |           | 10%       |           | \$60,000    |
|            | Electrical   |               |       |           | 25%       |           | \$150,000   |
|            | Instrumentation and Controls   |               |       |           | 15%       |           | \$90,000    |
|            | SUBTOTAL   |               |       |           |           |           | \$960,000   |
|            | Tax on Materials   |               |       |           | 9.3%      |           | \$37,000    |
|            | Contractor's Markup on Sub-Contractors' Work   |               |       |           | 10%       |           | \$24,000    |
|            | Contractor's Overhead and Profit   |               |       |           | 15%       |           | \$144,000   |
|            | Mobilization and Demobilization  |               |       |           | 5%        |           | \$48,000    |
|            | Contractor's General Conditions  |               |       |           | 10%       |           | \$96,000    |
|            | SUBTOTAL   |               |       |           |           |           | \$1,310,000 |
|            | Project Phase-Level OPCC Contingency   |               |       |           | 30%       |           | \$393,000   |
|            | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                               |               |       |           |           |           | \$1,700,000 |
|            | Construction Contingency   |               |       |           | 0%        |           | \$0         |
| lacksquare | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and | d Legal and A | Admin |           | 25%       |           | \$425,000   |
|            | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                              |               |       |           |           |           | \$2,130,000 |



**OPPC PROVIDED BY:** Niloofar S.

**REVIEWED BY:** CEH



LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05
Sheet Title: RRCSD Hydraulic

ment #: 18 REVIEWED BY: CEH

|    | DESCRIPTION  | QTY           | UNIT | UNIT COST | COST      | COST | TOTAL COST |
|----|--|---------------|------|-----------|-----------|------|------------|
| 1  | 18" UV Effluent Pipe   | 150           | LF   | \$540     | \$81,000  | \$0  | \$81,000   |
| 2  | 16" Mixed Liquor Pipe  | 450           | LF   | \$480     | \$216,000 | \$0  | \$216,000  |
| 3  | 14" Secondary Effluent Pipe  | 60            | LF   | \$420     | \$25,200  | \$0  | \$25,000   |
| 4  |  |               |      |           |           |      |            |
| 5  |  |               |      |           |           |      |            |
| 6  |  |               |      |           |           |      |            |
| 7  |  |               |      |           |           |      |            |
| 8  |  |               |      |           |           |      |            |
| 9  |  |               |      |           |           |      |            |
| 10 |  |               |      |           |           |      |            |
|    |  |               |      |           |           |      |            |
|    | SUBTOTAL   |               |      |           |           |      | \$322,000  |
|    | Plant Paving, Grading, and Yard Piping   |               |      |           | 0%        |      | \$0        |
|    | Mechanical and Piping  |               |      |           | 0%        |      | \$0        |
|    | Electrical   |               |      |           | 0%        |      | \$0        |
|    | Instrumentation and Controls   |               |      |           | 0%        |      | \$0        |
|    | SUBTOTAL   |               |      |           |           |      | \$320,000  |
|    | Tax on Materials   |               |      |           | 0%        |      | \$0        |
|    | Contractor's Markup on Sub-Contractors' Work   |               |      |           | 10%       |      | \$0        |
|    | Contractor's Overhead and Profit   |               |      |           | 15%       |      | \$48,000   |
|    | Mobilization and Demobilization  |               |      |           | 5%        |      | \$16,000   |
|    | Contractor's General Conditions  |               |      |           | 10%       |      | \$32,000   |
|    | SUBTOTAL   |               |      |           |           |      | \$420,000  |
|    | Project Phase-Level OPCC Contingency   |               | 30%  |           | \$126,000 |      |            |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                               |               |      |           |           |      | \$550,000  |
|    | Construction Contingency   | 0%            |      | \$0       |           |      |            |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and | d Legal and A | dmin |           | 25%       |      | \$138,000  |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                              |               |      |           |           |      | \$690,000  |



**OPPC PROVIDED BY:** Niloofar S.

**OPPC PREPARATION DATE: 16-Oct-25** 



OWNER: Sonoma Water
LOCATION: Sonoma County, CA
WYA Project #: 798-50-24-05

YA Project #: 798-50-24-05
neet Title: RRCSD CIP

ment #: 19

**OPPC PROVIDED BY:** Niloofar S. **OPPC PREPARATION DATE:** 16-Oct-25

|    | DESCRIPTION  | MATERIAL<br>QTY | UNIT | MATERIAL<br>UNIT COST | MATERIAL<br>COST | INSTALL<br>COST | TOTAL COST   |
|----|--|-----------------|------|-----------------------|------------------|-----------------|--------------|
| 1  |  | 1               | LS   |                       |                  |                 | TOTAL COST   |
|    | Capital Improvement Programs   |                 |      | \$8,000,000           |                  | \$0             |              |
| 2  | Headworks Improvement  | 1               | LS   | \$1,991,434           | \$1,991,434      | \$0             | \$2,000,000  |
| 3  |  |                 |      |                       |                  |                 |              |
| 4  |  |                 |      |                       |                  |                 |              |
| 5  |  |                 |      |                       |                  |                 |              |
| 6  |  |                 |      |                       |                  |                 |              |
| 7  |  |                 |      |                       |                  |                 |              |
| 8  |  |                 |      |                       |                  |                 |              |
| 9  |  |                 |      |                       |                  |                 |              |
| 10 |  |                 |      |                       |                  |                 |              |
|    |  |                 |      |                       |                  |                 |              |
|    | SUBTOTAL   |                 |      |                       |                  |                 | \$10,000,000 |
|    | Plant Paving, Grading, and Yard Piping   |                 |      |                       | 5%               |                 | \$500,000    |
|    | Mechanical and Piping  |                 |      |                       | 5%               |                 | \$500,000    |
|    | Electrical   |                 |      |                       | 10%              |                 | \$1,000,000  |
|    | Instrumentation and Controls   |                 |      |                       | 10%              |                 | \$1,000,000  |
|    | SUBTOTAL   |                 |      |                       |                  |                 | \$13,000,000 |
|    | Tax on Materials   |                 |      |                       | 9.3%             |                 | \$900,000    |
|    | Contractor's Markup on Sub-Contractors' Work   |                 |      |                       | 10%              |                 | \$200,000    |
|    | Contractor's Overhead and Profit   |                 |      |                       | 15%              |                 | \$2,000,000  |
|    | Mobilization and Demobilization  |                 |      |                       | 5%               |                 | \$700,000    |
|    | Contractor's General Conditions  |                 |      |                       | 10%              |                 | \$1,300,000  |
|    | SUBTOTAL   |                 |      |                       |                  |                 | \$18,000,000 |
|    | Project Phase-Level OPCC Contingency   |                 | 30%  |                       | \$5,400,000      |                 |              |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                               |                 |      |                       |                  |                 | \$23,000,000 |
|    | Construction Contingency 0%  |                 |      |                       |                  |                 | \$0          |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and | d Legal and A   | dmin |                       | 25%              |                 | \$5,800,000  |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                              |                 |      |                       |                  |                 | \$29,000,000 |



LOCATION: Sonoma County, CA
WYA Project #: 798-50-24-05

|                    | WYA Project #: | 798-50-24-05     | <b>OPPC PROVIDED BY:</b> Niloofar S.    |
|--------------------|----------------|------------------|---|
| VEST <b>YOST</b>   | Sheet Title:   | Land Application | <b>OPPC PREPARATION DATE:</b> 16-Oct-25 |
| /ater. Engineered. | Element #:     | 20               | REVIEWED BY: CEH                        |
|                    |                |                  |   |

|    |  | MATERIAL      |       | MATERIAL  | MATERIAL      | INSTALL |                   |
|----|--|---------------|-------|-----------|---------------|---------|-------------------|
|    | DESCRIPTION  | QTY           | UNIT  | UNIT COST | COST          | COST    | <b>TOTAL COST</b> |
| 1  | RRCSD Land Application Area  | 55            | acres | \$25,000  | \$1,375,000   | \$0     | \$1,375,000       |
| 2  |  |               |       |           |               |         |                   |
| 3  |  |               |       |           |               |         |                   |
| 4  |  |               |       |           |               |         |                   |
| 5  |  |               |       |           |               |         |                   |
| 6  |  |               |       |           |               |         |                   |
| 7  |  |               |       |           |               |         |                   |
| 8  |  |               |       |           |               |         |                   |
| 9  |  |               |       |           |               |         |                   |
| 10 |  |               |       |           |               |         |                   |
|    |  |               |       |           |               |         |                   |
|    | SUBTOTAL   |               |       |           |               |         | \$1,375,000       |
|    | Plant Paving, Grading, and Yard Piping   |               |       |           | 0%            |         | \$0               |
|    | Mechanical and Piping  |               |       |           | 0%            | \$0     |                   |
|    | Electrical   |               |       |           | 0%            |         | \$0               |
|    | Instrumentation and Controls   |               |       |           | 0%            |         | \$0               |
|    | SUBTOTAL   |               |       |           |               |         | \$1,375,000       |
|    | Tax on Materials   |               |       |           | 0%            |         | \$0               |
|    | Contractor's Markup on Sub-Contractors' Work   |               |       |           | 0%            |         | \$0               |
|    | Contractor's Overhead and Profit   |               |       |           | 0%            |         | \$0               |
|    | Mobilization and Demobilization  |               |       |           | 0%            |         | \$0               |
|    | Contractor's General Conditions  |               |       |           | 0%            |         | \$0               |
|    | SUBTOTAL   |               |       |           |               |         | \$1,375,000       |
|    | Project Phase-Level OPCC Contingency   |               |       |           |               |         | \$0               |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                               |               |       |           |               |         | \$1,375,000       |
|    | Construction Contingency   |               |       |           | 0%            |         |                   |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and | d Legal and A | dmin  |           | 25% \$344,000 |         |                   |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                              |               |       |           |               |         | \$1,719,000       |



LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05
Sheet Title: Cluster 1

Element #: 22

|    |   | MATERIAL      |        | MATERIAL    | MATERIAL    | INSTALL |             |
|----|---|---------------|--------|-------------|-------------|---------|-------------|
|    | DESCRIPTION   | QTY           | UNIT   | UNIT COST   | COST        | COST    | TOTAL COST  |
| 1  | Cluster 1 Collection System   | 50            | Parcel | \$112,200   | \$5,610,000 | \$0     | \$5,610,000 |
| 2  | Cluster 1 Raw Wastewater Pump Station   | 1             | EA     | \$1,840,000 | \$1,840,000 | \$0     | \$1,840,000 |
| 3  | ·   |               |        |             |             |         |             |
| 4  |   |               |        |             |             |         |             |
| 5  |   |               |        |             |             |         |             |
| 6  |   |               |        |             |             |         |             |
| 7  |   |               |        |             |             |         |             |
| 8  |   |               |        |             |             |         |             |
| 9  |   |               |        |             |             |         |             |
| 10 |   |               |        |             |             |         |             |
| 11 |   |               |        |             |             |         |             |
|    | SUBTOTAL  |               |        |             |             |         | \$7,450,000 |
|    | Plant Paving, Grading, and Yard Piping  |               |        |             | 0%          |         | \$0         |
|    | Mechanical and Piping   |               |        |             | 0%          |         | \$0         |
|    | Electrical  |               |        |             | 0%          |         | \$0         |
|    | Instrumentation and Controls  |               |        |             | 0%          |         | \$0         |
|    | SUBTOTAL  |               |        |             |             |         | \$7,450,000 |
|    | Tax on Materials  |               |        |             | 0%          |         | \$0         |
|    | Contractor's Markup on Sub-Contractors' Work  |               |        |             | 0%          |         | \$0         |
|    | Contractor's Overhead and Profit  |               |        |             | 0%          |         | \$0         |
|    | Mobilization and Demobilization   |               |        |             | 0%          |         | \$0         |
|    | Contractor's General Conditions   |               |        |             | 0%          |         | \$0         |
|    | SUBTOTAL  |               |        |             |             |         | \$7,450,000 |
|    | Project Phase-Level OPCC Contingency  |               |        |             | 0%          |         | \$0         |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                              |               |        |             |             |         | \$7,450,000 |
|    | Construction Contingency  |               |        |             | 0%          |         | \$0         |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, an | d Legal and A | dmin   |             | 0%          |         | \$0         |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                             |               |        |             | \$7,450,000 |         |             |



**OPPC PROVIDED BY:** Niloofar S.

**REVIEWED BY:** CEH



OWNER: Sonoma Water
LOCATION: Sonoma County, CA
WYA Project #: 798-50-24-05

eet Title: Cluster 2

Element #: 23

|    |  | MATERIAL            |        | MATERIAL    | MATERIAL    | INSTALL |             |
|----|--|---------------------|--------|-------------|-------------|---------|-------------|
|    | DESCRIPTION  | QTY                 | UNIT   | UNIT COST   | COST        |         | TOTAL COST  |
| 1  | Cluster 2 Collection System  | 60                  | Parcel | \$103,600   | \$6,216,000 | \$0     | \$6,216,000 |
| 2  | Cluster 2 Raw Wastewater Pump Station  | 1                   | EA     | \$1,710,000 | \$1,710,000 | \$0     |             |
| 3  |  |                     |        |             |             |         |             |
| 4  |  |                     |        |             |             |         |             |
| 5  |  |                     |        |             |             |         |             |
| 6  |  |                     |        |             |             |         |             |
| 7  |  |                     |        |             |             |         |             |
| 8  |  |                     |        |             |             |         |             |
| 9  |  |                     |        |             |             |         |             |
| 10 |  |                     |        |             |             |         |             |
| 11 |  |                     |        |             |             |         |             |
|    | SUBTOTAL   |                     | •      |             | •           |         | \$7,926,000 |
|    | Plant Paving, Grading, and Yard Piping   |                     |        |             | 0%          |         | \$0         |
|    | Mechanical and Piping  |                     |        |             | 0%          |         | \$0         |
|    | Electrical   |                     |        |             | 0%          |         | \$0         |
|    | Instrumentation and Controls   |                     |        |             | 0%          |         | \$0         |
|    | SUBTOTAL   |                     |        |             |             |         | \$7,930,000 |
|    | Tax on Materials   |                     |        |             | 0%          |         | \$0         |
|    | Contractor's Markup on Sub-Contractors' Work   |                     |        |             | 0%          |         | \$0         |
|    | Contractor's Overhead and Profit   |                     |        |             | 0%          |         | \$0         |
|    | Mobilization and Demobilization  |                     |        |             | 0%          |         | \$0         |
|    | Contractor's General Conditions  |                     |        |             | 0%          |         | \$0         |
|    | SUBTOTAL   |                     |        |             |             |         | \$7,930,000 |
|    | Project Phase-Level OPCC Contingency   |                     |        |             | 0%          |         | \$0         |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                         | Γ                   |        |             |             |         | \$7,930,000 |
|    | Construction Contingency   | 0%                  |        | \$0         |             |         |             |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESD | OC, and Legal and A | dmin   |             | 0%          |         | \$0         |
|    | <b>ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST</b>                 |                     |        |             |             |         | \$7,930,000 |

**OPPC PROVIDED BY:** Niloofar S.

**REVIEWED BY:** CEH



OWNER: Sonoma Water LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05
Sheet Title: Cluster 3

Element #: 24

|    |   | MATERIAL |        | MATERIAL     | MATERIAL     | INSTALL |              |
|----|---|----------|--------|--------------|--------------|---------|--------------|
|    | DESCRIPTION   | QTY      | UNIT   | UNIT COST    | COST         | COST    | TOTAL COST   |
| 1  | Cluster 3 Collection System   | 190      | Parcel | \$101,100    | \$19,209,000 | \$0     | \$19,209,000 |
| 2  | Cluster 3 Raw Wastewater Pump Station   | 1        | EA     | \$1,860,000  | \$1,860,000  | \$0     | \$1,860,000  |
| 3  |   |          |        |              |              |         |              |
| 4  |   |          |        |              |              |         |              |
| 5  |   |          |        |              |              |         |              |
| 6  |   |          |        |              |              |         |              |
| 7  |   |          |        |              |              |         |              |
| 8  |   |          |        |              |              |         |              |
| 9  |   |          |        |              |              |         |              |
| 10 |   |          |        |              |              |         |              |
| 11 |   |          |        |              |              |         |              |
|    | SUBTOTAL  | •        |        |              | <u> </u>     |         | \$21,069,000 |
|    | Plant Paving, Grading, and Yard Piping  |          |        |              | 0%           |         | \$0          |
|    | Mechanical and Piping   |          |        |              | 0%           |         | \$0          |
|    | Electrical  |          |        |              | 0%           |         | \$0          |
|    | Instrumentation and Controls  |          |        |              | 0%           |         | \$0          |
|    | SUBTOTAL  |          |        |              |              |         | \$21,070,000 |
|    | Tax on Materials  |          |        |              | 0%           |         | \$0          |
|    | Contractor's Markup on Sub-Contractors' Work  |          |        |              | 0%           |         | \$0          |
|    | Contractor's Overhead and Profit  |          |        |              | 0%           |         | \$0          |
|    | Mobilization and Demobilization   |          |        |              | 0%           |         | \$0          |
|    | Contractor's General Conditions   |          |        |              | 0%           |         | \$0          |
|    | SUBTOTAL  |          |        |              |              |         | \$21,070,000 |
|    | Project Phase-Level OPCC Contingency  |          | 0%     |              | \$0          |         |              |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                              |          |        |              |              |         |              |
|    | Construction Contingency  |          | 0%     |              | \$0          |         |              |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, an |          | 0%     |              | \$0          |         |              |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                             |          |        | \$21,070,000 |              |         |              |

**OPPC PROVIDED BY:** Niloofar S.

**REVIEWED BY:** CEH



OWNER: Sonoma Water LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05 Sheet Title: Cluster 4

Element #: 25

| OPPC PROVIDED BY: Niloofar S.           |
|---|
| <b>OPPC PREPARATION DATE:</b> 16-Oct-25 |
| REVIEWED BY: CEH                        |

|    |  | MATERIAL |        | MATERIAL     | MATERIAL     | INSTALL |                   |
|----|--|----------|--------|--------------|--------------|---------|-------------------|
|    | DESCRIPTION  | QTY      | UNIT   | UNIT COST    | COST         | COST    | <b>TOTAL COST</b> |
| 1  | Cluster 4 Collection System  | 110      | Parcel | \$109,600    | \$12,056,000 | \$0     | \$12,056,000      |
| 2  | Cluster 4 Raw Wastewater Pump Station  | 1        | EA     | \$1,850,000  | \$1,850,000  | \$0     | \$1,850,000       |
| 3  |  |          |        |              |              |         |                   |
| 4  |  |          |        |              |              |         |                   |
| 5  |  |          |        |              |              |         |                   |
| 6  |  |          |        |              |              |         |                   |
| 7  |  |          |        |              |              |         |                   |
| 8  |  |          |        |              |              |         |                   |
| 9  |  |          |        |              |              |         |                   |
| 10 |  |          |        |              |              |         |                   |
| 11 |  |          |        |              |              |         |                   |
|    | SUBTOTAL   |          |        | \$13,906,000 |              |         |                   |
|    | Plant Paving, Grading, and Yard Piping   |          |        |              | 0%           |         | \$0               |
|    | Mechanical and Piping  |          |        |              | 0%           |         | \$0               |
|    | Electrical   |          |        |              | 0%           |         | \$0               |
|    | Instrumentation and Controls   |          |        |              | 0%           |         | \$0               |
|    | SUBTOTAL   |          |        |              |              |         | \$13,910,000      |
|    | Tax on Materials   |          |        |              | 0%           |         | \$0               |
|    | Contractor's Markup on Sub-Contractors' Work   |          |        |              | 0%           |         | \$0               |
|    | Contractor's Overhead and Profit   |          |        |              | 0%           |         | \$0               |
|    | Mobilization and Demobilization  |          |        |              | 0%           |         | \$0               |
|    | Contractor's General Conditions  |          |        |              | 0%           |         | \$0               |
|    | SUBTOTAL   |          |        |              |              |         | \$13,910,000      |
|    | Project Phase-Level OPCC Contingency   | 0%       |        | \$0          |              |         |                   |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                               |          |        |              | \$13,910,000 |         |                   |
|    | Construction Contingency   | 0%       |        | \$0          |              |         |                   |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and | 0%       |        | \$0          |              |         |                   |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                              |          |        | \$13,910,000 |              |         |                   |



OWNER: Sonoma Water LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05
Sheet Title: Cluster 5

Element #: 26

|    |   | MATERIAL |        | MATERIAL    | MATERIAL     | INSTALL |              |
|----|---|----------|--------|-------------|--------------|---------|--------------|
|    | DESCRIPTION   | QTY      | UNIT   | UNIT COST   | COST         | COST    | TOTAL COST   |
| 1  | Cluster 5 Collection System   | 100      | Parcel | \$109,300   | \$10,930,000 | \$0     | \$10,930,000 |
| 2  | Cluster 5 Raw Wastewater Pump Station   | 1        | EA     | \$1,850,000 |              |         | \$1,850,000  |
| 3  | ·   |          |        |             |              |         |              |
| 4  |   |          |        |             |              |         |              |
| 5  |   |          |        |             |              |         |              |
| 6  |   |          |        |             |              |         |              |
| 7  |   |          |        |             |              |         |              |
| 8  |   |          |        |             |              |         |              |
| 9  |   |          |        |             |              |         |              |
| 10 |   |          |        |             |              |         |              |
| 11 |   |          |        |             |              |         |              |
|    | SUBTOTAL  |          |        |             |              |         | \$12,780,000 |
|    | Plant Paving, Grading, and Yard Piping  |          |        |             | 0%           |         | \$0          |
|    | Mechanical and Piping   |          |        |             | 0%           |         | \$0          |
|    | Electrical  |          |        |             | 0%           |         | \$0          |
|    | Instrumentation and Controls  |          |        |             | 0%           |         | \$0          |
|    | SUBTOTAL  |          |        |             |              |         | \$12,780,000 |
|    | Tax on Materials  |          |        |             | 0%           |         | \$0          |
|    | Contractor's Markup on Sub-Contractors' Work  |          |        |             | 0%           |         | \$0          |
|    | Contractor's Overhead and Profit  |          |        |             | 0%           |         | \$0          |
|    | Mobilization and Demobilization   |          |        |             | 0%           |         | \$0          |
|    | Contractor's General Conditions   |          |        |             | 0%           |         | \$0          |
|    | SUBTOTAL  |          |        |             |              |         | \$12,780,000 |
|    | Project Phase-Level OPCC Contingency  |          | 0%     |             | \$0          |         |              |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                              |          |        |             | \$12,780,000 |         |              |
|    | Construction Contingency  |          | 0%     |             | \$0          |         |              |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, an |          | 0%     |             | \$0          |         |              |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                             |          |        |             | \$12,780,000 |         |              |



**OPPC PROVIDED BY:** Niloofar S.

**REVIEWED BY:** CEH

**OPPC PREPARATION DATE: 16-Oct-25** 



OWNER: Sonoma Water LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05
Sheet Title: Cluster 6

Element #: 27

|    |   | MATERIAL |        | MATERIAL     | MATERIAL     | INSTALL |              |
|----|---|----------|--------|--------------|--------------|---------|--------------|
|    | DESCRIPTION   | QTY      | UNIT   | UNIT COST    | COST         | COST    | TOTAL COST   |
| 1  | Cluster 6 Collection System   | 440      | Parcel | \$99,900     | \$43,956,000 | \$0     | \$43,956,000 |
| 2  | Cluster 6 Raw Wastewater Pump Station   | 1        | EA     | \$1,900,000  |              | \$0     | \$1,900,000  |
| 3  |   |          |        |              |              |         |              |
| 4  |   |          |        |              |              |         |              |
| 5  |   |          |        |              |              |         |              |
| 6  |   |          |        |              |              |         |              |
| 7  |   |          |        |              |              |         |              |
| 8  |   |          |        |              |              |         |              |
| 9  |   |          |        |              |              |         |              |
| 10 |   |          |        |              |              |         |              |
| 11 |   |          |        |              |              |         |              |
|    | SUBTOTAL  |          | •      | •            |              |         | \$45,856,000 |
|    | Plant Paving, Grading, and Yard Piping  |          |        |              | 0%           |         | \$0          |
|    | Mechanical and Piping   |          |        |              | 0%           |         | \$0          |
|    | Electrical  |          |        |              | 0%           |         | \$0          |
|    | Instrumentation and Controls  |          |        |              | 0%           |         | \$0          |
|    | SUBTOTAL  |          |        |              |              |         | \$45,860,000 |
|    | Tax on Materials  |          |        |              | 0%           |         | \$0          |
|    | Contractor's Markup on Sub-Contractors' Work                                    |          |        |              | 0%           |         | \$0          |
|    | Contractor's Overhead and Profit  |          |        |              | 0%           |         | \$0          |
|    | Mobilization and Demobilization   |          |        |              | 0%           |         | \$0          |
|    | Contractor's General Conditions   |          |        |              | 0%           |         | \$0          |
|    | SUBTOTAL  |          |        |              |              |         | \$45,860,000 |
|    | Project Phase-Level OPCC Contingency  |          | 0%     |              | \$0          |         |              |
|    | <b>ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION C</b>                |          |        | \$45,860,000 |              |         |              |
|    | Construction Contingency  | 0%       |        | \$0          |              |         |              |
|    | Engineering Design, Environmental Planning and Studies, Construction Management |          | 0%     |              | \$0          |         |              |
|    | <b>ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL C</b>               |          |        | \$45,860,000 |              |         |              |

**OPPC PROVIDED BY:** Niloofar S.

**REVIEWED BY:** CEH

**OPPC PREPARATION DATE: 16-Oct-25** 



OWNER: Sonoma Water LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05 Sheet Title: Cluster 7

lement #: 28

|    |  | MATERIAL |        | MATERIAL     | MATERIAL     | INSTALL |              |
|----|--|----------|--------|--------------|--------------|---------|--------------|
|    | DESCRIPTION  | QTY      | UNIT   | UNIT COST    | COST         |         | TOTAL COST   |
| 1  | Cluster 7 Collection System  | 450      | Parcel | \$103,100    | \$46,395,000 | \$0     | \$46,395,000 |
| 2  | Cluster 7 Raw Wastewater Pump Station  | 1        | EA     | \$1,900,000  | \$1,900,000  | \$0     | \$1,900,000  |
| 3  |  |          |        |              |              |         |              |
| 4  |  |          |        |              |              |         |              |
| 5  |  |          |        |              |              |         |              |
| 6  |  |          |        |              |              |         |              |
| 7  |  |          |        |              |              |         |              |
| 8  |  |          |        |              |              |         |              |
| 9  |  |          |        |              |              |         |              |
| 10 |  |          |        |              |              |         |              |
| 11 |  |          |        |              |              |         |              |
|    | SUBTOTAL   |          |        |              | \$48,295,000 |         |              |
|    | Plant Paving, Grading, and Yard Piping   |          |        |              | 0%           |         | \$0          |
|    | Mechanical and Piping  |          |        |              | 0%           |         | \$0          |
|    | Electrical   |          |        |              | 0%           |         | \$0          |
|    | Instrumentation and Controls   |          |        |              | 0%           |         | \$0          |
|    | SUBTOTAL   |          |        |              |              |         | \$48,300,000 |
|    | Tax on Materials   |          |        |              | 0%           |         | \$0          |
|    | Contractor's Markup on Sub-Contractors' Work   |          |        |              | 0%           |         | \$0          |
|    | Contractor's Overhead and Profit   |          |        |              | 0%           |         | \$0          |
|    | Mobilization and Demobilization  |          |        |              | 0%           |         | \$0          |
|    | Contractor's General Conditions  |          |        |              | 0%           |         | \$0          |
|    | SUBTOTAL   |          |        |              |              |         | \$48,300,000 |
|    | Project Phase-Level OPCC Contingency   |          | 0%     |              | \$0          |         |              |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                               |          |        |              |              |         | \$48,300,000 |
|    | Construction Contingency   |          | 0%     |              | \$0          |         |              |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and |          | 0%     |              | \$0          |         |              |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                              |          |        | \$48,300,000 |              |         |              |



**OPPC PROVIDED BY:** Niloofar S.

**REVIEWED BY:** CEH

**OPPC PREPARATION DATE: 16-Oct-25** 



OWNER: Sonoma Water LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05
Sheet Title: Cluster 8

Element #: 29

|          |  | MATERIAL |        | MATERIAL    | MATERIAL     | INSTALL      |              |
|----------|--|----------|--------|-------------|--------------|--------------|--------------|
|          | DESCRIPTION  | QTY      | UNIT   | UNIT COST   | COST         | COST         | TOTAL COST   |
| 1        | Cluster 8 Collection System  | 170      | Parcel | \$106,000   | \$18,020,000 | \$0          | \$18,020,000 |
| 2        | Cluster 8 Raw Wastewater Pump Station  | 1        | EA     | \$1,720,000 | \$1,720,000  | \$0          | \$1,720,000  |
| 3        |  |          |        |             |              |              |              |
| 4        |  |          |        |             |              |              |              |
| 5        |  |          |        |             |              |              |              |
| 6        |  |          |        |             |              |              |              |
| 7        |  |          |        |             |              |              |              |
| 8        |  |          |        |             |              |              |              |
| 9        |  |          |        |             |              |              |              |
| 10       |  |          |        |             |              |              |              |
| 11       |  |          |        |             |              |              |              |
| SUBTOTAL |  |          |        |             |              |              |              |
|          | Plant Paving, Grading, and Yard Piping   |          |        |             | 0%           |              | \$0          |
|          | Mechanical and Piping  |          |        |             | 0%           |              | \$0          |
|          | Electrical   |          |        |             | 0%           |              | \$0          |
|          | Instrumentation and Controls   |          |        |             | 0%           |              | \$0          |
|          | SUBTOTAL   |          |        |             |              |              | \$19,740,000 |
|          | Tax on Materials   |          |        |             | 0%           |              | \$0          |
|          | Contractor's Markup on Sub-Contractors' Work   |          |        |             | 0%           |              | \$0          |
|          | Contractor's Overhead and Profit   |          |        |             | 0%           |              | \$0          |
|          | Mobilization and Demobilization  |          |        |             | 0%           |              | \$0          |
|          | Contractor's General Conditions  |          |        |             | 0%           |              | \$0          |
|          | SUBTOTAL   |          |        |             |              |              | \$19,740,000 |
|          | Project Phase-Level OPCC Contingency   |          | 0%     |             | \$0          |              |              |
|          | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                               |          |        |             | \$19,740,000 |              |              |
|          | Construction Contingency   |          | 0%     |             | \$0          |              |              |
|          | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and |          | 0%     |             | \$0          |              |              |
|          | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                              |          |        |             |              | \$19,740,000 |              |



**OPPC PROVIDED BY:** Niloofar S.

**REVIEWED BY:** CEH

**OPPC PREPARATION DATE: 16-Oct-25** 



OWNER: Sonoma Water LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05
Sheet Title: Cluster 9

Element #: 30

|    |  | MATERIAL |        | MATERIAL     | MATERIAL     | INSTALL |              |
|----|--|----------|--------|--------------|--------------|---------|--------------|
|    | DESCRIPTION  | QTY      | UNIT   | UNIT COST    | COST         | COST    | TOTAL COST   |
| 1  | Cluster 9 Collection System  | 140      | Parcel | \$105,800    | \$14,812,000 | \$0     | \$14,812,000 |
| 2  | Cluster 9 Raw Wastewater Pump Station  | 1        | EA     | \$1,720,000  | \$1,720,000  | \$0     | \$1,720,000  |
| 3  |  |          |        |              |              |         |              |
| 4  |  |          |        |              |              |         |              |
| 5  |  |          |        |              |              |         |              |
| 6  |  |          |        |              |              |         |              |
| 7  |  |          |        |              |              |         |              |
| 8  |  |          |        |              |              |         |              |
| 9  |  |          |        |              |              |         |              |
| 10 |  |          |        |              |              |         |              |
| 11 |  |          |        |              |              |         |              |
|    | SUBTOTAL   |          |        |              |              |         | \$16,532,000 |
|    | Plant Paving, Grading, and Yard Piping   |          |        |              | 0%           |         | \$0          |
|    | Mechanical and Piping  |          |        |              | 0%           |         | \$0          |
|    | Electrical   |          |        |              | 0%           |         | \$0          |
|    | Instrumentation and Controls   |          |        |              | 0%           |         | \$0          |
|    | SUBTOTAL   |          |        |              |              |         | \$16,530,000 |
|    | Tax on Materials   |          |        |              | 0%           |         | \$0          |
|    | Contractor's Markup on Sub-Contractors' Work   |          |        |              | 0%           |         | \$0          |
|    | Contractor's Overhead and Profit   |          |        |              | 0%           |         | \$0          |
|    | Mobilization and Demobilization  |          |        |              | 0%           |         | \$0          |
|    | Contractor's General Conditions  |          |        |              | 0%           |         | \$0          |
|    | SUBTOTAL   |          |        |              |              |         | \$16,530,000 |
|    | Project Phase-Level OPCC Contingency   |          | 0%     |              | \$0          |         |              |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                               |          |        |              |              |         | \$16,530,000 |
|    | Construction Contingency   |          | 0%     |              | \$0          |         |              |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and |          | 0%     |              | \$0          |         |              |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                              |          |        | \$16,530,000 |              |         |              |

**OPPC PROVIDED BY:** Niloofar S.

**REVIEWED BY:** CEH

**OPPC PREPARATION DATE: 16-Oct-25** 



LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05
Sheet Title: Cluster 10

ement #: 31

|    |   | MATERIAL |        | MATERIAL    | MATERIAL    | INSTALL |             |
|----|---|----------|--------|-------------|-------------|---------|-------------|
|    | DESCRIPTION   | QTY      | UNIT   | UNIT COST   | COST        | COST    | TOTAL COST  |
| 1  | Cluster 10 Collection System  | 70       | Parcel | \$105,800   | \$7,406,000 | \$0     | \$7,406,000 |
| 2  | Cluster 10 Raw Wastewater Pump Station  | 1        | EA     | \$1,840,000 | \$1,840,000 | \$0     | \$1,840,000 |
| 3  |   |          |        |             |             |         |             |
| 4  |   |          |        |             |             |         |             |
| 5  |   |          |        |             |             |         |             |
| 6  |   |          |        |             |             |         |             |
| 7  |   |          |        |             |             |         |             |
| 8  |   |          |        |             |             |         |             |
| 9  |   |          |        |             |             |         |             |
| 10 |   |          |        |             |             |         |             |
| 11 |   |          |        |             |             |         |             |
|    | SUBTOTAL  |          |        |             |             |         | \$9,246,000 |
|    | Plant Paving, Grading, and Yard Piping  |          |        |             | 0%          |         | \$0         |
|    | Mechanical and Piping   |          |        |             | 0%          |         | \$0         |
|    | Electrical  |          |        |             | 0%          |         | \$0         |
|    | Instrumentation and Controls  |          |        |             | 0%          |         | \$0         |
|    | SUBTOTAL  |          |        |             |             |         | \$9,250,000 |
|    | Tax on Materials  |          |        |             | 0%          |         | \$0         |
|    | Contractor's Markup on Sub-Contractors' Work  |          |        |             | 0%          |         | \$0         |
|    | Contractor's Overhead and Profit  |          |        |             | 0%          |         | \$0         |
|    | Mobilization and Demobilization   |          |        |             | 0%          |         | \$0         |
|    | Contractor's General Conditions   |          |        |             | 0%          |         | \$0         |
|    | SUBTOTAL  |          |        |             |             |         | \$9,250,000 |
|    | Project Phase-Level OPCC Contingency  |          | 0%     |             | \$0         |         |             |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                              |          |        |             | \$9,250,000 |         |             |
|    | Construction Contingency  | 0%       |        | \$0         |             |         |             |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, an |          | 0%     |             | \$0         |         |             |
| 1  | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                             |          |        | \$9,250,000 |             |         |             |



**OPPC PROVIDED BY:** Niloofar S.

**REVIEWED BY:** CEH



OWNER: Sonoma Water LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05
Sheet Title: Cluster 11

ement #: 32

|    |   | MATERIAL |        | MATERIAL     | MATERIAL     | INSTALL |              |
|----|---|----------|--------|--------------|--------------|---------|--------------|
|    | DESCRIPTION   | QTY      | UNIT   | UNIT COST    | COST         | COST    | TOTAL COST   |
| 1  | Cluster 11 Collection System  | 370      | Parcel | \$101,800    | \$37,666,000 | \$0     | \$37,666,000 |
| 2  | Cluster 11 Raw Wastewater Pump Station  | 1        | EA     | \$1,930,000  |              |         | \$1,930,000  |
| 3  | OCSD piping/pumping upsize  | 1        | LS     | \$2,000,000  |              |         | \$2,000,000  |
| 4  | 7 1 3 1   |          |        | . , ,        | . , ,        | ·       | . , ,        |
| 5  |   |          |        |              |              |         |              |
| 6  |   |          |        |              |              |         |              |
| 7  |   |          |        |              |              |         |              |
| 8  |   |          |        |              |              |         |              |
| 9  |   |          |        |              |              |         |              |
| 10 |   |          |        |              |              |         |              |
| 11 |   |          |        |              |              |         |              |
|    | SUBTOTAL  | ı        |        |              |              |         | \$41,596,000 |
|    | Plant Paving, Grading, and Yard Piping  |          |        |              | 0%           |         | \$0          |
|    | Mechanical and Piping   |          |        |              | 0%           |         | \$0          |
|    | Electrical  |          |        |              | 0%           |         | \$0          |
|    | Instrumentation and Controls  |          |        |              | 0%           |         | \$0          |
|    | SUBTOTAL  |          |        |              |              |         | \$41,600,000 |
|    | Tax on Materials  |          |        |              | 0%           |         | \$0          |
|    | Contractor's Markup on Sub-Contractors' Work  |          |        |              | 0%           |         | \$0          |
|    | Contractor's Overhead and Profit  |          |        |              | 0%           |         | \$0          |
|    | Mobilization and Demobilization   |          |        |              | 0%           |         | \$0          |
|    | Contractor's General Conditions   |          |        |              | 0%           |         | \$0          |
|    | SUBTOTAL  |          |        |              |              |         | \$41,600,000 |
|    | Project Phase-Level OPCC Contingency  |          | 0%     |              | \$0          |         |              |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                              |          |        | \$41,600,000 |              |         |              |
|    | Construction Contingency  | 0%       |        | \$0          |              |         |              |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, ar |          | 0%     |              | \$0          |         |              |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                             |          |        | \$41,600,000 |              |         |              |



**OPPC PROVIDED BY:** Niloofar S.

**REVIEWED BY:** CEH

**OPPC PREPARATION DATE: 16-Oct-25** 



OWNER: Sonoma Water LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05
Sheet Title: Cluster 12

ement #: 33

|    |   | MATERIAL |        | MATERIAL     | MATERIAL     | INSTALL |              |
|----|---|----------|--------|--------------|--------------|---------|--------------|
|    | DESCRIPTION   | QTY      | UNIT   | UNIT COST    | COST         | COST    | TOTAL COST   |
| 1  | Cluster 12 Collection System  | 781      | Parcel | \$111,667    | \$87,211,667 | \$0     | \$87,212,000 |
| 2  |   |          |        |              |              |         |              |
| 3  |   |          |        |              |              |         |              |
| 4  |   |          |        |              |              |         |              |
| 5  |   |          |        |              |              |         |              |
| 6  |   |          |        |              |              |         |              |
| 7  |   |          |        |              |              |         |              |
| 8  |   |          |        |              |              |         |              |
| 9  |   |          |        |              |              |         |              |
| 10 |   |          |        |              |              |         |              |
| 11 |   |          |        |              |              |         |              |
|    | SUBTOTAL  |          |        |              |              |         | \$87,212,000 |
|    | Plant Paving, Grading, and Yard Piping  |          |        |              | 0%           |         | \$0          |
|    | Mechanical and Piping   |          |        |              | 0%           |         | \$0          |
|    | Electrical  |          |        |              | 0%           |         | \$0          |
|    | Instrumentation and Controls  |          |        |              | 0%           |         | \$0          |
|    | SUBTOTAL  |          |        |              |              |         | \$87,210,000 |
|    | Tax on Materials  |          |        |              | 0%           |         | \$0          |
|    | Contractor's Markup on Sub-Contractors' Work  |          |        |              | 0%           |         | \$0          |
|    | Contractor's Overhead and Profit  |          |        |              | 0%           |         | \$0          |
|    | Mobilization and Demobilization   |          |        |              | 0%           |         | \$0          |
|    | Contractor's General Conditions   |          |        |              | 0%           |         | \$0          |
|    | SUBTOTAL  |          |        |              |              |         | \$87,210,000 |
|    | Project Phase-Level OPCC Contingency  | 0%       |        | \$0          |              |         |              |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                              |          |        | \$87,210,000 |              |         |              |
|    | Construction Contingency  | 0%       |        | \$0          |              |         |              |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, an |          | 0%     |              | \$0          |         |              |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                             |          |        | \$87,210,000 |              |         |              |

**OPPC PROVIDED BY:** Niloofar S.

**REVIEWED BY:** CEH



OWNER: Sonoma Water LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05
OPCC Manager: LMS & NS
Reviewer: CEH

**Description of Work:** Cost Estimating

Type of Estimate: Class 5

Date of This Estimate: 16-Oct-25

| ELEMENT#  | DESCRIPTION   | UNIT COST    | UNITS         | ANTICIPATED COST |  |  |  |  |
|---|---|--------------|---------------|------------------|--|--|--|--|
| 1   | Fill Effluent Pond at FWD WWTP  | \$3,500,000  | 1             | \$3,500,000      |  |  |  |  |
| 2   | Influent Pump Station to MBR System at FWD WWTP   | \$3,700,000  | 1             | \$3,700,000      |  |  |  |  |
| 3   | Fine Screens at FWD WWTP  | \$3,600,000  | 1             | \$3,600,000      |  |  |  |  |
| 4   | MBR System at FWD WWTP  | \$54,300,000 | 1             | \$54,300,000     |  |  |  |  |
| 5   | UV Disinfection System at FWD WWTP  | \$6,900,000  | 1             | \$6,900,000      |  |  |  |  |
| 6   | WAS Thickening, Aerobic Digestion and Dewatering at FWD                                       | \$22,900,000 | 1             | \$22,900,000     |  |  |  |  |
| 7   | Outfall to Russian River  | \$39,000,000 | 1             | \$39,000,000     |  |  |  |  |
| 8   | Equalization Facilities at FWD WWTP   | \$3,800,000  | 1             | \$3,800,000      |  |  |  |  |
| 9   | Headworks Improvement at GCSD WWTP  | \$900,000    | 1             | \$900,000        |  |  |  |  |
| 10  | Equalization Facilities at GCSD WWTP  | \$200,000    | 1             | \$200,000        |  |  |  |  |
| 11  | Equalization Facilities at RRCSD WWTP   | \$300,000    | 1             | \$300,000        |  |  |  |  |
| 12  | Recycled Water Pipelines to Quarries  | \$1,500,000  | 1             | \$1,500,000      |  |  |  |  |
| 13  | Inter Facilities Pipelines  | \$13,000,000 | 1             | \$13,000,000     |  |  |  |  |
| 14  | Conveyance Pipelines  | \$92,800,000 | 1             | \$92,800,000     |  |  |  |  |
| 15  | Conveyance Pump Stations  | \$13,300,000 | 1             | \$13,300,000     |  |  |  |  |
| 16  | Effluent Storage Pond Expansion at GCSD WWTP  | \$14,500,000 | 1             | \$14,500,000     |  |  |  |  |
| 17  | Cluster 1 Sewer Service Connection  | \$7,500,000  | 1             | \$7,500,000      |  |  |  |  |
| 18  | Cluster 2 Sewer Service Connection  | \$7,900,000  | 1             | \$7,900,000      |  |  |  |  |
| 19  | Cluster 3 Sewer Service Connection  | \$21,100,000 | 1             | \$21,100,000     |  |  |  |  |
| 20  | Cluster 4 Sewer Service Connection  | \$13,900,000 | 1             | \$13,900,000     |  |  |  |  |
| 21  | Cluster 5 Sewer Service Connection  | \$12,800,000 | 1             | \$12,800,000     |  |  |  |  |
| 22  | Cluster 6 Sewer Service Connection  | \$45,900,000 | 1             | \$45,900,000     |  |  |  |  |
| 23  | Cluster 7 Sewer Service Connection  | \$48,300,000 | 1             | \$48,300,000     |  |  |  |  |
| 24  | Cluster 8 Sewer Service Connection  | \$19,700,000 | 1             | \$19,700,000     |  |  |  |  |
| 25  | Cluster 9 Sewer Service Connection  | \$16,500,000 | 1             | \$16,500,000     |  |  |  |  |
| 26  | Cluster 10 Sewer Service Connection   | \$9,300,000  | 1             | \$9,300,000      |  |  |  |  |
| 27  | Cluster 11 Sewer Service Connection   | \$41,600,000 | 1             | \$41,600,000     |  |  |  |  |
| 28  | Cluster 12 Sewer Service Connection   | \$87,200,000 | 1             | \$87,200,000     |  |  |  |  |
|   | ENGINEER'S PRELIMINARY OPINION OF PROBABLE PROJECT COST                                       |              | \$605,900,000 |                  |  |  |  |  |
|   | Construction Contingency Engineering Design, Environmental Planning and Studies, Construction | 0%           |               | \$0              |  |  |  |  |
|   | Management, ESDC, and Legal and Admin Costs   | 25%          |               | \$157,300,000    |  |  |  |  |
| ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST |   |              |               |                  |  |  |  |  |





LOCATION: Sonoma County, CA
WYA Project #: 798-50-24-05

heet Title: Eff Pond Fill @FWD

ment #: 1 REVIEWED BY: CEH

|  | DESCRIPTION  | QTY    | UNIT | UNIT COST | COST        | COST        | TOTAL COST  |
|--|--|--------|------|-----------|-------------|-------------|-------------|
| 1  | Effluent Pond Fill   | 15,600 | CY   | \$120     | \$1,872,000 | \$0         | \$1,872,000 |
| 2  |  |        |      |           |             |             |             |
| 3  |  |        |      |           |             |             |             |
| 4  |  |        |      |           |             |             |             |
| 5  |  |        |      |           |             |             |             |
| 6  |  |        |      |           |             |             |             |
| 7  |  |        |      |           |             |             |             |
| 8  |  |        |      |           |             |             |             |
| 9  |  |        |      |           |             |             |             |
| 10   |  |        |      |           |             |             |             |
|  |  |        |      |           |             |             |             |
| SUBTOTAL   |  |        |      |           |             |             | \$1,872,000 |
| Plant Paving, Grading, and Yard Piping                       |  |        |      | 10%       |             | \$187,000   |             |
|  | Mechanical and Piping  |        |      |           | 0%          |             | \$0         |
|  | Electrical   |        |      |           | 0%          |             | \$0         |
|  | Instrumentation and Controls   |        |      |           |             |             | \$0         |
|  | SUBTOTAL   |        |      |           |             |             | \$2,060,000 |
|  | Tax on Materials   |        |      |           | 0%          |             | \$0         |
|  | Contractor's Markup on Sub-Contractors' Work   |        |      |           | 10%         |             | \$0         |
|  | Contractor's Overhead and Profit   |        |      |           | 15%         |             | \$309,000   |
|  | Mobilization and Demobilization  |        |      |           | 5%          |             | \$103,000   |
|  | Contractor's General Conditions  |        |      |           | 10%         |             | \$206,000   |
|  | SUBTOTAL   |        |      |           |             |             | \$2,680,000 |
| Project Phase-Level OPCC Contingency                         |  |        |      | 30%       |             | \$804,000   |             |
| ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST |  |        |      |           |             | \$3,480,000 |             |
|  | Construction Contingency   |        |      |           | 0%          |             | \$0         |
|  | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and Legal and Admin |        |      |           | 25%         |             | \$870,000   |
|  | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST  |        |      |           |             |             | \$4,350,000 |

**OPPC PROVIDED BY:** Niloofar S.



OWNER: Sonoma Water
LOCATION: Sonoma County, CA
WYA Project #: 798-50-24-05

neet Title: MBR IPS

Element #: 2

|    | DESCRIPTION  | QTY         | UNIT  | UNIT COST   | COST        | COST | TOTAL COST  |
|----|--|-------------|-------|-------------|-------------|------|-------------|
| 1  | 6.4 mgd pump station combining and conveying flow from all regional partners into MBR system | 1           | EA    | \$2,810,000 | \$2,810,000 | \$0  | \$2,810,000 |
| 2  |  |             |       |             |             |      |             |
| 3  |  |             |       |             |             |      |             |
| 4  |  |             |       |             |             |      |             |
| 5  |  |             |       |             |             |      |             |
| 6  |  |             |       |             |             |      |             |
| 7  |  |             |       |             |             |      |             |
| 8  |  |             |       |             |             |      |             |
| 9  |  |             |       |             |             |      |             |
| 10 |  |             |       |             |             |      |             |
|    |  |             |       |             |             |      |             |
|    | SUBTOTAL   |             |       |             | •           |      | \$2,810,000 |
|    | Plant Paving, Grading, and Yard Piping   |             |       |             | 0%          |      | \$0         |
|    | Mechanical and Piping  |             |       |             | 0%          |      | \$0         |
|    | Electrical   |             |       |             | 0%          |      | \$0         |
|    | Instrumentation and Controls   |             |       |             | 0%          |      | \$0         |
|    | SUBTOTAL   |             |       |             |             |      | \$2,810,000 |
|    | Tax on Materials   |             |       |             | 0%          |      | \$0         |
|    | Contractor's Markup on Sub-Contractors' Work   |             |       |             | 0%          |      | \$0         |
|    | Contractor's Overhead and Profit   |             |       |             | 0%          |      | \$0         |
|    | Mobilization and Demobilization  |             |       |             | 0%          |      | \$0         |
|    | Contractor's General Conditions  |             |       |             | 0%          |      | \$0         |
|    | SUBTOTAL   |             |       |             |             |      | \$2,810,000 |
|    | Project Phase-Level OPCC Contingency   |             | 30%   |             | \$843,000   |      |             |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                                 |             |       |             |             |      | \$3,650,000 |
|    | Construction Contingency   |             |       |             | 0%          |      | \$0         |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and   | Legal and A | Admin |             | 25%         |      | \$913,000   |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                                |             |       |             |             |      | \$4,560,000 |

**OPPC PROVIDED BY: LMS** 

**OPPC PREPARATION DATE: 16-Oct-2025** 

**REVIEWED BY:** CEH



OWNER: Sonoma Water LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05
Sheet Title: Fine Screens

ement #: 3

| DESCRIPTION  | QTY         | UNIT  | UNIT COST | COST      | COST      | TOTAL COST  |  |  |
|--|-------------|-------|-----------|-----------|-----------|-------------|--|--|
| 1 Concrete platform for elevated fine screens (dumpster below)                               | 119         | CY    | \$550     | \$65,450  | \$65,450  | \$131,000   |  |  |
| 2 Aluminum stairs up to fine screen platform   | 1           | LS    | \$5,000   | \$5,000   | \$0       | \$5,000     |  |  |
| 3 Fine Screen (2mm) System with Washer/Compactor, 2 units (1 duty + 1 standby), each 7.5 mgd | LS          | 1     | \$755,000 | \$755,000 | \$377,500 | \$1,133,000 |  |  |
| 4  |             |       |           |           |           |             |  |  |
| 5  |             |       |           |           |           |             |  |  |
| 6  |             |       |           |           |           |             |  |  |
| 7  |             |       |           |           |           |             |  |  |
| 8  |             |       | 1         |           |           |             |  |  |
| 9  |             |       |           |           |           |             |  |  |
| 10   |             |       |           |           |           |             |  |  |
|  |             |       |           |           |           |             |  |  |
| SUBTOTAL \$1   |             |       |           |           |           |             |  |  |
| Plant Paving, Grading, and Yard Piping   |             |       |           | 10%       |           | \$127,000   |  |  |
| Mechanical and Piping  |             |       |           | 10%       |           | \$127,000   |  |  |
| Electrical   |             |       |           | 25%       |           | \$317,000   |  |  |
| Instrumentation and Controls   |             |       |           | 15%       |           | \$190,000   |  |  |
| SUBTOTAL   |             |       |           |           |           | \$2,030,000 |  |  |
| Tax on Materials   |             |       |           | 9.3%      |           | \$76,000    |  |  |
| Contractor's Markup on Sub-Contractors' Work   |             |       |           | 10%       |           | \$51,000    |  |  |
| Contractor's Overhead and Profit   |             |       |           | 15%       |           | \$305,000   |  |  |
| Mobilization and Demobilization  |             |       |           | 5%        |           | \$102,000   |  |  |
| Contractor's General Conditions  |             |       |           | 10%       |           | \$203,000   |  |  |
| SUBTOTAL   |             |       |           |           |           | \$2,770,000 |  |  |
| Project Phase-Level OPCC Contingency   |             |       |           | 30%       |           | \$831,000   |  |  |
| ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST \$3,                            |             |       |           |           |           |             |  |  |
| Construction Contingency 0%  |             |       |           |           |           | \$0         |  |  |
| Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and   | Legal and A | Admin |           | 25%       |           | \$900,000   |  |  |
| ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                                |             |       |           |           |           | \$4,500,000 |  |  |

**OPPC PROVIDED BY: LMS** 

**OPPC PREPARATION DATE: 16-Oct-2025** 

**REVIEWED BY:** CEH



OWNER: Sonoma Water LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05 Sheet Title: MBR System

lement #: 4

|    |  | 1             |       |             |             |             |              |  |
|----|--|---------------|-------|-------------|-------------|-------------|--------------|--|
|    | DESCRIPTION  | QTY           | UNIT  | UNIT COST   | COST        | COST        | TOTAL COST   |  |
| 1  | Concrete for process basins and membrane basins  | 2,865         | CY    | \$550       | \$1,575,750 | \$1,575,750 | \$3,152,000  |  |
| 2  | Concrete building for blowers next to MBR basins.  | 2,863         | SF    | \$450       | \$1,288,125 | \$0         | \$1,288,000  |  |
| 3  | Concrete building for permeate pumps next to MBR basins.                                   | 2,131         | SF    | \$450       | \$959,063   | \$0         | \$959,000    |  |
| 4  | MBR Treatment System (three trians, 6.75 mgd capacity)                                     | 1             | LS    | \$6,856,650 | \$6,856,650 | \$6,856,650 | \$13,713,000 |  |
| 5  | Bridge crane system above membrane basins  | 1             | EA    | \$80,000    | \$80,000    | \$40,000    | \$120,000    |  |
| 6  |  |               |       |             |             |             |              |  |
| 7  |  |               |       |             |             |             |              |  |
| 8  |  |               |       |             |             |             |              |  |
| 9  |  |               |       |             |             |             |              |  |
| 10 |  |               |       |             |             |             |              |  |
|    |  |               |       |             |             |             |              |  |
|    | SUBTOTAL   |               |       |             |             |             | \$19,232,000 |  |
|    | Plant Paving, Grading, and Yard Piping   |               |       |             | 10%         |             | \$1,923,000  |  |
|    | Mechanical and Piping  |               |       |             | 10%         |             | \$1,923,000  |  |
|    | Electrical   |               |       |             | 25%         |             | \$4,808,000  |  |
|    | Instrumentation and Controls   |               |       |             | 15%         |             | \$2,885,000  |  |
|    | SUBTOTAL   |               |       |             |             |             | \$30,770,000 |  |
|    | Tax on Materials   |               |       |             | 9.3%        |             | \$995,000    |  |
|    | Contractor's Markup on Sub-Contractors' Work   |               |       |             | 10%         |             | \$769,000    |  |
|    | Contractor's Overhead and Profit   |               |       |             | 15%         |             | \$4,616,000  |  |
|    | Mobilization and Demobilization  |               |       |             | 5%          |             | \$1,539,000  |  |
|    | Contractor's General Conditions  |               |       |             | 10%         |             | \$3,077,000  |  |
|    | SUBTOTAL   |               |       |             |             |             | \$41,770,000 |  |
|    | Project Phase-Level OPCC Contingency 30% \$12,55   |               |       |             |             |             |              |  |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                               |               |       |             |             |             | \$54,300,000 |  |
|    | Construction Contingency   |               |       |             | 0%          |             | \$0          |  |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and | d Legal and A | Admin |             | 25%         |             | \$13,575,000 |  |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                              |               |       |             |             |             | \$67,880,000 |  |



**OPPC PROVIDED BY: LMS** 

**OPPC PREPARATION DATE: 16-Oct-2025** 

**REVIEWED BY:** CEH



OWNER: Sonoma Water
LOCATION: Sonoma County, CA
WYA Project #: 798-50-24-05

heet Title: UV

ement #: 5

**OPPC PROVIDED BY:** LMS

**OPPC PREPARATION DATE:** 16-Oct-2025

**REVIEWED BY:** CEH

|    | DESCRIPTION  | QTY           | UNIT  | UNIT COST   | COST        | COST        | TOTAL COST  |  |  |
|----|--|---------------|-------|-------------|-------------|-------------|-------------|--|--|
| 1  | Concrete for three UV channels   | 102           | CY    | \$550       | \$56,100    | \$56,100    | \$112,000   |  |  |
| 2  | Concrete pads for control panels (one dedicated to each channel)                           | 17            | CY    | \$550       | \$9,350     | \$9,350     | \$19,000    |  |  |
| 3  | Aluminum grating over channels   | 267           | SF    | \$35        | \$9,345     | \$0         | \$9,000     |  |  |
| 4  | Canopy over channels and concrete pads   | 1,428         | SF    | \$85        | \$121,380   | \$0         | \$121,000   |  |  |
| 5  | UV Treatment System (three channels, 6.75 mgd total capacity, 80 mJ/cm2 @65%UVT)           | 1             | LS    | \$1,099,500 | \$1,099,500 | \$1,099,500 | \$2,199,000 |  |  |
| 6  |  |               |       |             |             |             |             |  |  |
| 7  |  |               |       |             |             |             |             |  |  |
| 8  |  |               |       |             |             |             |             |  |  |
| 9  |  |               |       |             |             |             |             |  |  |
| 10 |  |               |       |             |             |             |             |  |  |
|    |  |               |       |             |             |             |             |  |  |
|    | SUBTOTAL \$2,46  |               |       |             |             |             |             |  |  |
|    | Plant Paving, Grading, and Yard Piping   |               |       |             | 10%         |             | \$246,000   |  |  |
|    | Mechanical and Piping  |               |       |             | 10%         |             | \$246,000   |  |  |
|    | Electrical   |               |       |             | 25%         |             | \$615,000   |  |  |
|    | Instrumentation and Controls   |               |       |             | 15%         |             | \$369,000   |  |  |
|    | SUBTOTAL   |               |       |             |             |             | \$3,940,000 |  |  |
|    | Tax on Materials   |               |       |             | 9.3%        |             | \$120,000   |  |  |
|    | Contractor's Markup on Sub-Contractors' Work   |               |       |             | 10%         |             | \$98,000    |  |  |
|    | Contractor's Overhead and Profit   |               |       |             | 15%         |             | \$591,000   |  |  |
|    | Mobilization and Demobilization  |               |       |             | 5%          |             | \$197,000   |  |  |
|    | Contractor's General Conditions  |               |       |             | 10%         |             | \$394,000   |  |  |
|    | SUBTOTAL   |               |       |             |             |             | \$5,340,000 |  |  |
|    | Project Phase-Level OPCC Contingency 30%   |               |       |             |             |             |             |  |  |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                               |               |       |             |             |             | \$6,940,000 |  |  |
|    | Construction Contingency   |               |       |             | 0%          |             | \$0         |  |  |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and | d Legal and A | Admin |             | 25%         |             | \$1,735,000 |  |  |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                              |               |       |             |             |             | \$8,680,000 |  |  |



OWNER: Sonoma Water LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05

Sheet Title: Aerobic Digestion

ent #: 6 REVIEWED BY: CEH

|    | DESCRIPTION  | QTY           | UNIT  | UNIT COST | COST      | COST        | TOTAL COST   |
|----|--|---------------|-------|-----------|-----------|-------------|--------------|
| 1  | Slab, Roof, Walls - Aerobic Digesters  | 1,646         | CY    | \$550     | \$905,349 | \$905,349   | \$1,811,000  |
| 2  | Slab, Roof Walls - TWAS Storage  | 229           | CY    | \$550     | \$125,701 | \$125,701   | \$251,000    |
| 3  | Solids and Electrical Building   | 10,500        | SF    | \$400     | \$0       | \$4,200,000 | \$4,200,000  |
| 4  | WAS Pumps  | 3             | EA    | \$35,000  | \$105,000 | \$14,000    | \$119,000    |
| 5  | Rotary Drum Thickener  | 2             | EA    | \$140,596 | \$281,192 | \$56,238    | \$337,000    |
| 6  | Thickener Feed Pump  | 2             | EA    | \$14,981  | \$29,963  | \$5,993     | \$36,000     |
| 7  | TWAS Tank Mixer  | 1             | EA    | \$75,000  | \$75,000  | \$30,000    | \$105,000    |
| 8  | TWAS Tank Blower   | 1             | EA    | \$91,050  | \$91,050  | \$36,420    | \$127,000    |
| 9  | TWAS Pumps   | 2             | EA    | \$14,981  | \$29,963  | \$5,993     | \$36,000     |
| 10 | Centrifuge   | 2             | EA    | \$358,295 | \$716,589 | \$143,318   | \$860,000    |
| 11 | Conveyors  | 1             | LS    | \$81,660  | \$81,660  | \$32,664    | \$114,000    |
| 12 | Digester Blowers and Diffusers   | 2             | EA    | \$91,050  | \$182,100 | \$36,420    | \$219,000    |
|    | SUBTOTAL   |               |       |           |           |             | \$8,215,000  |
|    | Plant Paving, Grading, and Yard Piping   |               |       |           | 10%       |             | \$822,000    |
|    | Mechanical and Piping  |               |       |           | 10%       |             | \$822,000    |
|    | Electrical   |               |       |           | 25%       |             | \$2,054,000  |
|    | Instrumentation and Controls   |               |       |           | 15%       |             | \$1,232,000  |
|    | SUBTOTAL   |               |       |           |           |             | \$13,150,000 |
|    | Tax on Materials   |               |       |           | 9.3%      |             | \$218,000    |
|    | Contractor's Markup on Sub-Contractors' Work   |               |       |           | 10%       |             | \$329,000    |
|    | Contractor's Overhead and Profit   |               |       |           | 15%       |             | \$1,973,000  |
|    | Mobilization and Demobilization  |               |       |           | 5%        |             | \$658,000    |
|    | Contractor's General Conditions  |               |       |           | 10%       |             | \$1,315,000  |
|    | SUBTOTAL   |               |       |           |           |             | \$17,640,000 |
|    | Project Phase-Level OPCC Contingency 30%   |               |       |           |           |             |              |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                               |               |       |           |           |             | \$22,930,000 |
|    | Construction Contingency   |               |       |           | 0%        |             | \$0          |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and | d Legal and A | Admin |           | 25%       |             | \$5,733,000  |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                              |               |       |           |           |             | \$28,660,000 |

**OPPC PROVIDED BY:** Niloofar S.



OWNER: Sonoma Water
LOCATION: Sonoma County, CA
WYA Project #: 798-50-24-05

eet Title: Outfall

ement #: 7

**OPPC PROVIDED BY:** Niloofar S.

**OPPC PREPARATION DATE:** 16-Oct-2025

**REVIEWED BY:** CEH

|    | DESCRIPTION  | QTY           | UNIT | UNIT COST   | COST         | COST | TOTAL COST   |  |
|----|--|---------------|------|-------------|--------------|------|--------------|--|
| 1  | Outfall  | 1             | LS   | \$3,800,000 | \$3,800,000  | \$0  | \$3,800,000  |  |
| 2  | 30" Pipeline   | 21,400        | LF   | \$900       | \$19,260,000 | \$0  | \$19,260,000 |  |
| 3  |  |               |      |             |              |      |              |  |
| 4  |  |               |      |             |              |      |              |  |
| 5  |  |               |      |             |              |      |              |  |
| 6  |  |               |      |             |              |      |              |  |
| 7  |  |               |      |             |              |      |              |  |
| 8  |  |               |      |             |              |      |              |  |
| 9  |  |               |      |             |              |      |              |  |
| 10 |  |               |      |             |              |      |              |  |
|    |  |               |      |             |              |      |              |  |
|    | SUBTOTAL   |               |      |             |              |      |              |  |
|    | Plant Paving, Grading, and Yard Piping   |               |      |             | 0%           |      | \$0          |  |
|    | Mechanical and Piping  |               |      |             | 0%           |      | \$0          |  |
|    | Electrical   |               |      |             | 0%           |      | \$0          |  |
|    | Instrumentation and Controls   |               |      |             | 0%           |      | \$0          |  |
|    | SUBTOTAL   |               |      |             |              |      | \$23,060,000 |  |
|    | Tax on Materials   |               |      |             | 0%           |      | \$0          |  |
|    | Contractor's Markup on Sub-Contractors' Work   |               |      |             | 10%          |      | \$0          |  |
|    | Contractor's Overhead and Profit   |               |      |             | 15%          |      | \$3,459,000  |  |
|    | Mobilization and Demobilization  |               |      |             | 5%           |      | \$1,153,000  |  |
|    | Contractor's General Conditions  |               |      |             | 10%          |      | \$2,306,000  |  |
|    | SUBTOTAL   |               |      |             |              |      | \$29,980,000 |  |
|    | Project Phase-Level OPCC Contingency   |               | 30%  |             | \$8,994,000  |      |              |  |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                               |               |      |             |              |      | \$38,970,000 |  |
|    | Construction Contingency   |               |      |             | 0%           |      | \$0          |  |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and | d Legal and A | dmin |             | 40%          |      | \$15,588,000 |  |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                              |               |      |             |              |      | \$54,560,000 |  |



LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05

eet Title: FWD EQ Facilities

8 REVIEWED BY: CEH

|    | DESCRIPTION  | QTY           | UNIT | UNIT COST   | COST        | COST | TOTAL COST  |  |
|----|--|---------------|------|-------------|-------------|------|-------------|--|
| 1  | Flow Control Structure   | 1             | EA   | \$98,000    | \$98,000    | \$0  | \$98,000    |  |
| 2  | 8" Pipeline  | 140           | LF   | \$240       | \$33,600    | \$0  | \$34,000    |  |
| 3  | 10" Pipeline   | 210           | LF   | \$300       | \$63,000    | \$0  | \$63,000    |  |
| 4  | 16" Pipeline   | 50            | LF   | \$480       | \$24,000    | \$0  | \$24,000    |  |
| 5  | 18" Pipeline   | 490           | LF   | \$540       | \$264,600   | \$0  | \$265,000   |  |
| 6  | 20" Pipeline   | 20            | LF   | \$600       | \$12,000    | \$0  | \$12,000    |  |
| 7  | FWD Ponds Drain Pump   | 1             | EA   | \$1,750,000 | \$1,750,000 | \$0  | \$1,750,000 |  |
| 8  |  |               |      |             |             |      |             |  |
| 9  |  |               |      |             |             |      |             |  |
| 10 |  |               |      |             |             |      |             |  |
|    |  |               |      |             |             |      |             |  |
|    | SUBTOTAL \$2,2   |               |      |             |             |      |             |  |
|    | Plant Paving, Grading, and Yard Piping   |               | 0%   |             | \$0         |      |             |  |
|    | Mechanical and Piping  |               |      |             | 0%          |      | \$0         |  |
|    | Electrical   |               |      |             | 0%          |      | \$0         |  |
|    | Instrumentation and Controls   |               |      |             | 0%          |      | \$0         |  |
|    | SUBTOTAL   |               |      |             |             |      | \$2,250,000 |  |
|    | Tax on Materials   |               |      |             | 0%          |      | \$0         |  |
|    | Contractor's Markup on Sub-Contractors' Work   |               |      |             | 10%         |      | \$0         |  |
|    | Contractor's Overhead and Profit   |               |      |             | 15%         |      | \$338,000   |  |
|    | Mobilization and Demobilization  |               |      |             | 5%          |      | \$113,000   |  |
|    | Contractor's General Conditions  |               |      |             | 10%         |      | \$225,000   |  |
|    | SUBTOTAL   |               |      |             |             |      | \$2,930,000 |  |
|    | Project Phase-Level OPCC Contingency   |               |      |             | 30%         |      | \$879,000   |  |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                               |               |      |             |             |      | \$3,810,000 |  |
|    | Construction Contingency   |               |      |             | 0%          |      | \$0         |  |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and | d Legal and A | dmin |             | 25%         |      | \$953,000   |  |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                              |               |      |             |             |      | \$4,760,000 |  |

**OPPC PROVIDED BY:** Niloofar S.



LOCATION: Sonoma County, CA
WYA Project #: 798-50-24-05

heet Title: GCSD Headworks

ement #: 9

|    | DESCRIPTION  | QTY           | UNIT  | UNIT COST | COST      | COST      | TOTAL COST  |  |
|----|--|---------------|-------|-----------|-----------|-----------|-------------|--|
| 1  | ROTAMAT Micro Strainer Ro9   | 1             | LS    | \$157,000 | \$157,000 | \$157,000 | \$314,000   |  |
| 2  | Bin  | 1             | LS    | \$50,000  | \$50,000  | \$0       | \$50,000    |  |
| 3  |  |               |       |           |           |           |             |  |
| 4  |  |               |       |           |           |           |             |  |
| 5  |  |               |       |           |           |           |             |  |
| 6  |  |               |       |           |           |           |             |  |
| 7  |  |               |       |           |           |           |             |  |
| 8  |  |               |       |           |           |           |             |  |
| 9  |  |               |       |           |           |           |             |  |
| 10 |  |               |       |           |           |           |             |  |
|    |  |               |       |           |           |           |             |  |
|    | SUBTOTAL \$  |               |       |           |           |           |             |  |
|    | Plant Paving, Grading, and Yard Piping   |               |       |           | 0%        |           | \$0         |  |
|    | Mechanical and Piping  |               |       |           | 5%        |           | \$18,000    |  |
|    | Electrical   |               |       |           | 25%       |           | \$91,000    |  |
|    | Instrumentation and Controls   |               |       |           | 15%       |           | \$55,000    |  |
|    | SUBTOTAL   |               |       |           |           |           | \$530,000   |  |
|    | Tax on Materials   |               |       |           | 9.3%      |           | \$19,000    |  |
|    | Contractor's Markup on Sub-Contractors' Work   |               |       |           | 10%       |           | \$15,000    |  |
|    | Contractor's Overhead and Profit   |               |       |           | 15%       |           | \$80,000    |  |
|    | Mobilization and Demobilization  |               |       |           | 5%        |           | \$27,000    |  |
|    | Contractor's General Conditions  |               |       |           | 10%       |           | \$53,000    |  |
|    | SUBTOTAL   |               |       |           |           |           | \$720,000   |  |
|    | Project Phase-Level OPCC Contingency   | 30%           |       | \$216,000 |           |           |             |  |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                               |               |       |           |           |           | \$940,000   |  |
|    | Construction Contingency   |               |       |           | 0%        |           | \$0         |  |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and | d Legal and A | Admin |           | 25%       |           | \$235,000   |  |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                              |               |       |           |           |           | \$1,180,000 |  |



**OPPC PROVIDED BY:** Niloofar S.

**REVIEWED BY:** CEH



798-50-24-05

LOCATION: Sonoma County, CA

Sheet Title: GCSD EQ Facilities

nent #: 10 REVIEWED BY: CEH

|    | DESCRIPTION  | QTY           | UNIT  | UNIT COST | COST      | COST | TOTAL COST |
|----|--|---------------|-------|-----------|-----------|------|------------|
| 1  | Flow Control Structure   | 1             | EA    | \$98,000  | \$98,000  | \$0  | \$98,000   |
| 2  | 8" Pipeline  | 30            | LF    | \$240     | \$7,200   | \$0  | \$7,000    |
| 3  |  |               |       |           |           |      |            |
| 4  |  |               |       |           |           |      |            |
| 5  |  |               |       |           |           |      |            |
| 6  |  |               |       |           |           |      |            |
| 7  |  |               |       |           |           |      |            |
| 8  |  |               |       |           |           |      |            |
| 9  |  |               |       |           |           |      |            |
| 10 |  |               |       |           |           |      |            |
|    |  |               |       |           |           |      |            |
|    | SUBTOTAL   |               |       | \$105,000 |           |      |            |
|    | Plant Paving, Grading, and Yard Piping   |               |       |           | 0%        |      | \$0        |
|    | Mechanical and Piping  |               |       |           | 0%        |      | \$0        |
|    | Electrical   |               |       |           | 0%        |      | \$0        |
|    | Instrumentation and Controls   |               |       |           | 0%        |      | \$0        |
|    | SUBTOTAL   |               |       |           |           |      | \$110,000  |
|    | Tax on Materials   |               |       |           | 0%        |      | \$0        |
|    | Contractor's Markup on Sub-Contractors' Work   |               |       |           | 10%       |      | \$0        |
|    | Contractor's Overhead and Profit   |               |       |           | 15%       |      | \$17,000   |
|    | Mobilization and Demobilization  |               |       |           | 5%        |      | \$6,000    |
|    | Contractor's General Conditions  |               |       |           | 10%       |      | \$11,000   |
|    | SUBTOTAL   |               |       |           |           |      | \$140,000  |
|    | Project Phase-Level OPCC Contingency   |               | 30%   |           | \$42,000  |      |            |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                               |               |       |           | \$180,000 |      |            |
|    | Construction Contingency   |               |       |           | 0%        |      | \$0        |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and | d Legal and A | Admin |           | 25%       |      | \$45,000   |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                              |               |       |           |           |      | \$230,000  |



**OPPC PROVIDED BY:** Niloofar S.



LOCATION: Sonoma County, CA
WYA Project #: 798-50-24-05

heet Title: RRCSD EQ Facilities

ent #: 11 REVIEWED BY: CEH

|    | DESCRIPTION  | QTY           | UNIT | UNIT COST | COST     | COST | TOTAL COST |  |
|----|--|---------------|------|-----------|----------|------|------------|--|
| 1  | Flow Control Structure   | 1             | EA   | \$98,000  | \$98,000 | \$0  | \$98,000   |  |
| 2  | 16" Pipeline   | 190           | 0    | \$480     | \$91,200 | \$0  | \$91,000   |  |
| 3  |  |               |      |           |          |      |            |  |
| 4  |  |               |      |           |          |      |            |  |
| 5  |  |               |      |           |          |      |            |  |
| 6  |  |               |      |           |          |      |            |  |
| 7  |  |               |      |           |          |      |            |  |
| 8  |  |               |      |           |          |      |            |  |
| 9  |  |               |      |           |          |      |            |  |
| 10 |  |               |      |           |          |      |            |  |
|    |  |               |      |           |          |      |            |  |
|    | SUBTOTAL \$1   |               |      |           |          |      |            |  |
|    | Plant Paving, Grading, and Yard Piping   |               |      |           | 0%       |      | \$0        |  |
|    | Mechanical and Piping  |               |      |           | 0%       |      | \$0        |  |
|    | Electrical   |               |      |           | 0%       |      | \$0        |  |
|    | Instrumentation and Controls   |               |      |           | 0%       |      | \$0        |  |
|    | SUBTOTAL   |               |      |           |          |      | \$190,000  |  |
|    | Tax on Materials   |               |      |           | 0%       |      | \$0        |  |
|    | Contractor's Markup on Sub-Contractors' Work   |               |      |           | 10%      |      | \$0        |  |
|    | Contractor's Overhead and Profit   |               |      |           | 15%      |      | \$29,000   |  |
|    | Mobilization and Demobilization  |               |      |           | 5%       |      | \$10,000   |  |
|    | Contractor's General Conditions  |               |      |           | 10%      |      | \$19,000   |  |
|    | SUBTOTAL   |               |      |           |          |      | \$250,000  |  |
|    | Project Phase-Level OPCC Contingency 30%   |               |      |           |          |      |            |  |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST \$33                          |               |      |           |          |      |            |  |
|    | Construction Contingency 0%  |               |      |           |          |      |            |  |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and | d Legal and A | dmin |           | 25%      |      | \$83,000   |  |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                              |               |      |           |          |      | \$410,000  |  |



**OPPC PROVIDED BY:** Niloofar S.



OWNER: Sonoma Water
LOCATION: Sonoma County, CA
WYA Project #: 798-50-24-05

/YA Project #: 798-50-24-05 heet Title: ReW Pipelines

ement #: 12 REVIEWED BY: CEH

|    | DESCRIPTION  | QTY           | UNIT | UNIT COST | COST      | COST | TOTAL COST  |  |
|----|--|---------------|------|-----------|-----------|------|-------------|--|
| 1  | 12" Pipelines  | 2,500         | LF   | \$360     | \$900,000 | \$0  | \$900,000   |  |
| 2  |  |               |      |           |           |      |             |  |
| 3  |  |               |      |           |           |      |             |  |
| 4  |  |               |      |           |           |      |             |  |
| 5  |  |               |      |           |           |      |             |  |
| 6  |  |               |      |           |           |      |             |  |
| 7  |  |               |      |           |           |      |             |  |
| 8  |  |               |      |           |           |      |             |  |
| 9  |  |               |      |           |           |      |             |  |
| 10 |  |               |      |           |           |      |             |  |
|    |  |               |      |           |           |      |             |  |
|    | SUBTOTAL \$90  |               |      |           |           |      |             |  |
|    | Plant Paving, Grading, and Yard Piping   |               |      |           | 0%        | \$0  |             |  |
|    | Mechanical and Piping  |               |      |           | 0%        |      | \$0         |  |
|    | Electrical   |               |      |           | 0%        |      | \$0         |  |
|    | Instrumentation and Controls   |               |      |           | 0%        |      | \$0         |  |
|    | SUBTOTAL   |               |      |           |           |      | \$900,000   |  |
|    | Tax on Materials   |               |      |           | 0%        |      | \$0         |  |
|    | Contractor's Markup on Sub-Contractors' Work   |               |      |           | 10%       |      | \$0         |  |
|    | Contractor's Overhead and Profit   |               |      |           | 15%       |      | \$135,000   |  |
|    | Mobilization and Demobilization  |               |      |           | 5%        |      | \$45,000    |  |
|    | Contractor's General Conditions  |               |      |           | 10%       |      | \$90,000    |  |
|    | SUBTOTAL   |               |      |           |           |      | \$1,170,000 |  |
|    | Project Phase-Level OPCC Contingency   |               | 30%  |           | \$351,000 |      |             |  |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                               |               |      |           |           |      | \$1,520,000 |  |
|    | Construction Contingency   |               |      |           | 0%        |      | \$0         |  |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and | d Legal and A | dmin |           | 25%       |      | \$380,000   |  |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                              |               |      |           |           |      | \$1,900,000 |  |

**OPPC PROVIDED BY:** Niloofar S.



LOCATION: Sonoma County, CA
WYA Project #: 798-50-24-05

heet Title: Pipeline-Inter Plants

nt #: REVIEWED BY: CEH

|    | DESCRIPTION  | QTY           | UNIT | UNIT COST    | COST        | COST | TOTAL COST   |  |
|----|--|---------------|------|--------------|-------------|------|--------------|--|
| 1  | Rehab 8 inch Pipeline  | 8,976         | LF   | \$120        | \$1,077,120 | \$0  | \$1,077,000  |  |
| 2  | 6 inch Pipeline  | 6,720         | LF   | \$180        | \$1,209,600 | \$0  | \$1,210,000  |  |
| 3  | 20 inch Pipeline   | 8,976         | LF   | \$600        |             | \$0  | \$5,386,000  |  |
| 4  |  |               |      |              |             |      |              |  |
| 5  |  |               |      |              |             |      |              |  |
| 6  |  |               |      |              |             |      |              |  |
| 7  |  |               |      |              |             |      |              |  |
| 8  |  |               |      |              |             |      |              |  |
| 9  |  |               |      |              |             |      |              |  |
| 10 |  |               |      |              |             |      |              |  |
|    |  |               |      |              |             |      |              |  |
|    | SUBTOTAL   |               |      |              |             |      |              |  |
|    | Plant Paving, Grading, and Yard Piping   |               |      |              | 0%          |      | \$0          |  |
|    | Mechanical and Piping  |               |      |              | 0%          |      | \$0          |  |
|    | Electrical   |               |      |              | 0%          |      | \$0          |  |
|    | Instrumentation and Controls   |               |      |              | 0%          |      | \$0          |  |
|    | SUBTOTAL   |               |      |              |             |      | \$7,670,000  |  |
|    | Tax on Materials   |               |      |              | 0%          |      | \$0          |  |
|    | Contractor's Markup on Sub-Contractors' Work   |               |      |              | 10%         |      | \$0          |  |
|    | Contractor's Overhead and Profit   |               |      |              | 15%         |      | \$1,151,000  |  |
|    | Mobilization and Demobilization  |               |      |              | 5%          |      | \$384,000    |  |
|    | Contractor's General Conditions  |               |      |              | 10%         |      | \$767,000    |  |
|    | SUBTOTAL   |               |      |              |             |      | \$9,970,000  |  |
|    | Project Phase-Level OPCC Contingency   |               | 30%  |              | \$2,991,000 |      |              |  |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                               |               |      | \$12,960,000 |             |      |              |  |
|    | Construction Contingency   | 0%            |      | \$0          |             |      |              |  |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and | d Legal and A | dmin |              | 25%         |      | \$3,240,000  |  |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                              |               |      |              |             |      | \$16,200,000 |  |



**OPPC PROVIDED BY:** Niloofar S.

**OPPC PREPARATION DATE: 16-Oct-2025** 



OWNER: Sonoma Water LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05

neet Title: Conveyance Pipeline

ent #: 14 REVIEWED BY: CEH

| DESCRIPTION   | QTY      | UNIT | UNIT COST    | COST         | COST | TOTAL COST   |  |
|---|----------|------|--------------|--------------|------|--------------|--|
| 1 Creek Crossing  | 2        | EA   | \$3,800,000  | \$7,600,000  | \$0  | \$7,600,000  |  |
| 2 4" Pipeline   | 6,860    | LF   | \$120        | \$823,200    | \$0  | \$823,000    |  |
| 3 6" Pipeline   | 560      | LF   | \$180        | \$100,800    | \$0  | \$101,000    |  |
| 4 8" Pipeline   | 3,960    | LF   | \$240        | \$950,400    | \$0  | \$950,000    |  |
| 5 16" Pipeline  | 5,370    | LF   | \$480        | \$2,577,600  | \$0  | \$2,578,000  |  |
| 6 24" Pipeline  | 59,550   | LF   | \$720        | \$42,876,000 | \$0  | \$42,876,000 |  |
| 7   |          |      |              |              |      |              |  |
| 8   |          |      |              |              |      |              |  |
| 9   |          |      |              |              |      |              |  |
| 10  |          |      |              |              |      |              |  |
|   |          |      |              |              |      |              |  |
| SUBTOTAL  | SUBTOTAL |      |              |              |      |              |  |
| Plant Paving, Grading, and Yard Piping  |          |      |              | 0%           |      | \$0          |  |
| Mechanical and Piping   |          |      |              | 0%           |      | \$0          |  |
| Electrical  |          |      |              | 0%           |      | \$0          |  |
| Instrumentation and Controls  |          |      |              | 0%           |      | \$0          |  |
| SUBTOTAL  |          |      |              |              |      | \$54,930,000 |  |
| Tax on Materials  |          |      |              | 0%           |      | \$0          |  |
| Contractor's Markup on Sub-Contractors' Work  |          |      |              | 10%          |      | \$0          |  |
| Contractor's Overhead and Profit  |          |      |              | 15%          |      | \$8,240,000  |  |
| Mobilization and Demobilization   |          |      |              | 5%           |      | \$2,747,000  |  |
| Contractor's General Conditions   |          |      |              | 10%          |      | \$5,493,000  |  |
| SUBTOTAL  |          |      |              |              |      | \$71,410,000 |  |
| Project Phase-Level OPCC Contingency  | 30%      |      | \$21,423,000 |              |      |              |  |
| ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                              |          |      | \$92,830,000 |              |      |              |  |
| Construction Contingency  | 0%       |      | \$0          |              |      |              |  |
| Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, ar | 25%      |      | \$23,208,000 |              |      |              |  |
| ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                             |          |      |              |              |      | ##########   |  |



**OPPC PROVIDED BY:** Niloofar S.



OWNER: Sonoma Water LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05
Sheet Title: Conveyance PS

lement #: 15 REVIEWED BY: CEH

|    | DESCRIPTION  | QTY | UNIT | UNIT COST    | COST        | COST | TOTAL COST   |  |  |
|----|--|-----|------|--------------|-------------|------|--------------|--|--|
| 1  | RRCSD Raw Water Effluent Pump Station  | 1   | EA   | \$2,900,000  | \$2,900,000 | \$0  | \$2,900,000  |  |  |
| 2  | GCSD Raw Water Effluent Pump Station   | 1   | EA   | \$1,860,000  | \$1,860,000 | \$0  | \$1,860,000  |  |  |
| 3  | GCSD Tertiary Water Pump Station   | 1   | EA   | \$2,020,000  | \$2,020,000 | \$0  | \$2,020,000  |  |  |
| 4  | FWD Outfall Pump Station   | 1   | EA   | \$3,410,000  |             | \$0  | \$3,410,000  |  |  |
| 5  |  |     |      |              |             |      |              |  |  |
| 6  |  |     |      |              |             |      |              |  |  |
| 7  |  |     |      |              |             |      |              |  |  |
| 8  |  |     |      |              |             |      |              |  |  |
| 9  |  |     |      |              |             |      |              |  |  |
| 10 |  |     |      |              |             |      |              |  |  |
|    |  |     |      |              |             |      |              |  |  |
|    | SUBTOTAL \$10,190,000  |     |      |              |             |      |              |  |  |
|    | Plant Paving, Grading, and Yard Piping   |     |      |              | 0%          |      | \$0          |  |  |
|    | Mechanical and Piping  |     |      |              | 0%          |      | \$0          |  |  |
|    | Electrical   |     |      |              | 0%          |      | \$0          |  |  |
|    | Instrumentation and Controls   |     |      |              | 0%          |      | \$0          |  |  |
|    | SUBTOTAL   |     |      |              |             |      | \$10,190,000 |  |  |
|    | Tax on Materials   |     |      |              | 0%          |      | \$0          |  |  |
|    | Contractor's Markup on Sub-Contractors' Work   |     |      |              | 0%          |      | \$0          |  |  |
|    | Contractor's Overhead and Profit   |     |      |              | 0%          |      | \$0          |  |  |
|    | Mobilization and Demobilization  |     |      |              | 0%          |      | \$0          |  |  |
|    | Contractor's General Conditions  |     |      |              | 0%          |      | \$0          |  |  |
|    | SUBTOTAL   |     |      |              |             |      | \$10,190,000 |  |  |
|    | Project Phase-Level OPCC Contingency   |     |      |              |             |      | \$3,057,000  |  |  |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST \$13,7  |     |      |              |             |      |              |  |  |
|    | Construction Contingency   |     |      |              |             |      | \$0          |  |  |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and Legal and Admin |     |      |              |             |      | \$3,313,000  |  |  |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST  |     |      | \$16,560,000 |             |      |              |  |  |



**OPPC PROVIDED BY:** Niloofar S.

**OPPC PREPARATION DATE: 16-Oct-2025** 



798-50-24-05

LOCATION: Sonoma County, CA

Sheet Title: Eff.Stor.Pond @GCSD

ent #: 16 REVIEWED BY: CEH

|                 | DESCRIPTION  | QTY     | UNIT | UNIT COST | COST        | COST | TOTAL COST   |
|-----------------|--|---------|------|-----------|-------------|------|--------------|
| 1               | Excavation   | 117,000 | CY   | \$45      | \$5,265,000 | \$0  | \$5,265,000  |
| 2               | Rip rap  | 4,000   | ton  | \$375     | \$1,500,000 | \$0  | \$1,500,000  |
| 3               | Gravel   | 2,000   | ton  | \$210     | \$420,000   | \$0  | \$420,000    |
| 4               | Misc Structure   | 2       | EA   | \$100,000 | \$200,000   | \$0  | \$200,000    |
| 5               | Fencing  | 3,340   | LF   | \$75      | \$250,491   | \$0  | \$250,000    |
| 6               |  |         |      |           |             |      |              |
| 7               |  |         |      |           |             |      |              |
| 8               |  |         |      |           |             |      |              |
| 9               |  |         |      |           |             |      |              |
| 10              |  |         |      |           |             |      |              |
|                 |  |         |      |           |             |      |              |
| SUBTOTAL \$7,6. |  |         |      |           |             |      |              |
|                 | Plant Paving, Grading, and Yard Piping   |         |      |           | 0%          |      | \$0          |
|                 | Mechanical and Piping  |         |      |           | 5%          |      | \$382,000    |
|                 | Electrical   |         |      |           | 0%          |      | \$0          |
|                 | Instrumentation and Controls   |         |      |           | 0%          |      | \$0          |
|                 | SUBTOTAL   |         |      |           |             |      | \$8,020,000  |
|                 | Tax on Materials   |         |      |           | 9.3%        |      | \$706,000    |
|                 | Contractor's Markup on Sub-Contractors' Work   |         |      |           | 10%         |      | \$0          |
|                 | Contractor's Overhead and Profit   |         |      |           | 15%         |      | \$1,203,000  |
|                 | Mobilization and Demobilization  |         |      |           | 5%          |      | \$401,000    |
|                 | Contractor's General Conditions  |         |      |           | 10%         |      | \$802,000    |
|                 | SUBTOTAL   |         |      |           |             |      | \$11,130,000 |
|                 | Project Phase-Level OPCC Contingency   |         |      |           |             |      | \$3,339,000  |
|                 | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST   |         |      |           |             |      | \$14,470,000 |
|                 | Construction Contingency   |         |      |           |             |      | \$0          |
|                 | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and Legal and Admin |         |      |           | 25%         |      | \$3,618,000  |
|                 | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST  |         |      |           |             |      | \$18,090,000 |



**OPPC PROVIDED BY:** Niloofar S.

**OPPC PREPARATION DATE: 16-Oct-2025** 



LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05
Sheet Title: Cluster 1

Element #: 17

|  | DESCRIPTION  | QTY | UNIT   | UNIT COST   | COST        | COST | TOTAL COST        |
|--|--|-----|--------|-------------|-------------|------|-------------------|
| 1  | Cluster 1 Collection System  | 50  | Parcel | \$112,200   | Y           |      | \$5,610,000       |
| 2  | Cluster 1 Raw Wastewater Pump Station  | 1   | EA     | \$1,840,000 |             |      | \$1,840,000       |
| 3  | Chaster Than Wastewater Famp Station   | _   |        | \$1,640,000 | \$1,040,000 | γo   | <b>γ1,040,000</b> |
| 4  |  |     |        |             |             |      |                   |
| 5  |  |     |        |             |             |      |                   |
| -  |  |     |        |             |             |      |                   |
| 6  |  |     |        |             |             |      |                   |
| 7  |  |     |        |             |             |      |                   |
| 8  |  |     |        |             |             |      |                   |
| 9  |  |     |        |             |             |      |                   |
| 10   |  |     |        |             |             |      |                   |
| 11   |  |     |        |             |             |      |                   |
|  | SUBTOTAL   |     |        |             | \$7,450,000 |      |                   |
|  | Plant Paving, Grading, and Yard Piping   |     |        |             | 0%          |      | \$0               |
|  | Mechanical and Piping  |     |        |             | 0%          |      | \$0               |
|  | Electrical   |     |        |             | 0%          |      | \$0               |
|  | Instrumentation and Controls   |     |        |             | 0%          |      | \$0               |
|  | SUBTOTAL   |     |        |             |             |      | \$7,450,000       |
|  | Tax on Materials   |     |        |             | 0%          |      | \$0               |
|  | Contractor's Markup on Sub-Contractors' Work   |     |        |             | 0%          |      | \$0               |
|  | Contractor's Overhead and Profit   |     |        |             | 0%          |      | \$0               |
|  | Mobilization and Demobilization  |     |        |             | 0%          |      | \$0               |
|  | Contractor's General Conditions  |     |        |             | 0%          |      | \$0               |
|  | SUBTOTAL   |     |        |             |             |      | \$7,450,000       |
| Project Phase-Level OPCC Contingency                         |  |     |        |             |             |      | \$0               |
| ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST |  |     |        |             |             |      | \$7,450,000       |
| Construction Contingency                                     |  |     |        |             |             |      | \$0               |
|  | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and |     | 0%     |             | \$0         |      |                   |
|  | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                              |     |        | \$7,450,000 |             |      |                   |



**OPPC PROVIDED BY:** Niloofar S.

**REVIEWED BY:** CEH

**OPPC PREPARATION DATE: 16-Oct-2025** 



OWNER: Sonoma Water LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05

Sheet Title: Cluster 2 OPPC PREPARATION DATE: 16-Oct-2025

nt #: 18 REVIEWED BY: CEH

|            | DESCRIPTION  | QTY | UNIT   | UNIT COST   | COST        | COST | TOTAL COST  |  |  |
|------------|--|-----|--------|-------------|-------------|------|-------------|--|--|
| 1          | Cluster 2 Collection System  | 60  | Parcel | \$103,600   | \$6,216,000 | \$0  | \$6,216,000 |  |  |
| 2          | Cluster 2 Raw Wastewater Pump Station  | 1   | EA     | \$1,710,000 | \$1,710,000 | \$0  | \$1,710,000 |  |  |
| 3          |  |     |        |             |             |      |             |  |  |
| 4          |  |     |        |             |             |      |             |  |  |
| 5          |  |     |        |             |             |      |             |  |  |
| 6          |  |     |        |             |             |      |             |  |  |
| 7          |  |     |        |             |             |      |             |  |  |
| 8          |  |     |        |             |             |      |             |  |  |
| 9          |  |     |        |             |             |      |             |  |  |
| 10         |  |     |        |             |             |      |             |  |  |
| 11         |  |     |        |             |             |      |             |  |  |
|            | SUBTOTAL   |     |        |             |             |      |             |  |  |
|            | Plant Paving, Grading, and Yard Piping   |     |        |             | 0%          |      | \$0         |  |  |
|            | Mechanical and Piping  |     |        |             | 0%          |      | \$0         |  |  |
|            | Electrical   |     |        |             | 0%          |      | \$0         |  |  |
|            | Instrumentation and Controls   |     |        |             | 0%          |      | \$0         |  |  |
|            | SUBTOTAL   |     |        |             |             |      | \$7,930,000 |  |  |
|            | Tax on Materials   |     |        |             | 0%          |      | \$0         |  |  |
|            | Contractor's Markup on Sub-Contractors' Work   |     |        |             | 0%          |      | \$0         |  |  |
|            | Contractor's Overhead and Profit   |     |        |             | 0%          |      | \$0         |  |  |
|            | Mobilization and Demobilization  |     |        |             | 0%          |      | \$0         |  |  |
|            | Contractor's General Conditions  |     |        |             | 0%          |      | \$0         |  |  |
|            | SUBTOTAL   |     |        |             |             |      | \$7,930,000 |  |  |
|            | Project Phase-Level OPCC Contingency   | 0%  |        | \$0         |             |      |             |  |  |
|            | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST   |     |        |             |             |      | \$7,930,000 |  |  |
|            | Construction Contingency   | 0%  |        | \$0         |             |      |             |  |  |
| lacksquare | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and Legal and Admin |     |        |             |             |      | \$0         |  |  |
|            | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST  |     |        | \$7,930,000 |             |      |             |  |  |

**OPPC PROVIDED BY:** Niloofar S.



OWNER: Sonoma Water LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05
Sheet Title: Cluster 3

Element #: 19

|                           | DESCRIPTION  | QTY | UNIT   | UNIT COST   | COST         | COST | TOTAL COST   |  |
|---------------------------|--|-----|--------|-------------|--------------|------|--------------|--|
| 1                         | Cluster 3 Collection System  | 190 | Parcel | \$101,100   | \$19,209,000 | \$0  | \$19,209,000 |  |
| 2                         | Cluster 3 Raw Wastewater Pump Station  | 1   | EA     | \$1,860,000 | \$1,860,000  | \$0  | \$1,860,000  |  |
| 3                         |  |     |        |             |              |      |              |  |
| 4                         |  |     |        |             |              |      |              |  |
| 5                         |  |     |        |             |              |      |              |  |
| 6                         |  |     |        |             |              |      |              |  |
| 7                         |  |     |        |             |              |      |              |  |
| 8                         |  |     |        |             |              |      |              |  |
| 9                         |  |     |        |             |              |      |              |  |
| 10                        |  |     |        |             |              |      |              |  |
| 11                        |  |     |        |             |              |      |              |  |
| <b>SUBTOTAL</b> \$21,069, |  |     |        |             |              |      |              |  |
|                           | Plant Paving, Grading, and Yard Piping   |     |        |             | 0%           |      | \$0          |  |
|                           | Mechanical and Piping  |     |        |             | 0%           |      | \$0          |  |
|                           | Electrical   |     |        |             | 0%           |      | \$0          |  |
|                           | Instrumentation and Controls   |     |        |             | 0%           |      | \$0          |  |
|                           | SUBTOTAL   |     |        |             |              |      | \$21,070,000 |  |
|                           | Tax on Materials   |     |        |             | 0%           |      | \$0          |  |
|                           | Contractor's Markup on Sub-Contractors' Work   |     |        |             | 0%           |      | \$0          |  |
|                           | Contractor's Overhead and Profit   |     |        |             | 0%           |      | \$0          |  |
|                           | Mobilization and Demobilization  |     |        |             | 0%           |      | \$0          |  |
|                           | Contractor's General Conditions  |     |        |             | 0%           |      | \$0          |  |
|                           | SUBTOTAL   |     |        |             |              |      | \$21,070,000 |  |
|                           | Project Phase-Level OPCC Contingency   |     |        |             |              |      | \$0          |  |
|                           | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST   |     |        |             |              |      | \$21,070,000 |  |
| Construction Contingency  |  |     |        |             |              |      | \$0          |  |
|                           | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and Legal and Admin |     |        |             |              |      | \$0          |  |
|                           | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST  |     |        |             |              |      | \$21,070,000 |  |

798-50-24-05

**OPPC PROVIDED BY:** Niloofar S.

**REVIEWED BY:** CEH



Cluster 4

LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05

Element #: 20

| DESCRIPTION  | QTY | UNIT   | UNIT COST    | COST         | COST | TOTAL COST   |  |  |
|--|-----|--------|--------------|--------------|------|--------------|--|--|
| 1 Cluster 4 Collection System  | 110 | Parcel |              | \$12,056,000 |      | \$12,056,000 |  |  |
| 2 Cluster 4 Raw Wastewater Pump Station  | 1   | EA     | \$1,850,000  |              |      | \$1,850,000  |  |  |
| ·  |     | LA     | \$1,830,000  | \$1,830,000  | ŞU   | \$1,630,000  |  |  |
| 3  |     |        |              |              |      |              |  |  |
| 4  |     |        |              |              |      |              |  |  |
| 5  |     |        |              |              |      |              |  |  |
| 6  |     |        |              |              |      |              |  |  |
| 7  |     |        |              |              |      |              |  |  |
| 8  |     |        |              |              |      |              |  |  |
| 9  |     |        |              |              |      |              |  |  |
| 10   |     |        |              |              |      |              |  |  |
| 11   |     |        |              |              |      |              |  |  |
| SUBTOTAL \$13  |     |        |              |              |      |              |  |  |
| Plant Paving, Grading, and Yard Piping   | 0%  |        | \$0          |              |      |              |  |  |
| Mechanical and Piping  |     |        |              | 0%           |      | \$0          |  |  |
| Electrical   |     |        |              | 0%           |      | \$0          |  |  |
| Instrumentation and Controls   |     |        |              | 0%           |      | \$0          |  |  |
| SUBTOTAL   |     |        |              |              |      | \$13,910,000 |  |  |
| Tax on Materials   |     |        |              | 0%           |      | \$0          |  |  |
| Contractor's Markup on Sub-Contractors' Work   |     |        |              | 0%           |      | \$0          |  |  |
| Contractor's Overhead and Profit   |     |        |              | 0%           |      | \$0          |  |  |
| Mobilization and Demobilization  |     |        |              | 0%           |      | \$0          |  |  |
| Contractor's General Conditions  |     |        |              | 0%           |      | \$0          |  |  |
| SUBTOTAL   |     |        |              |              |      | \$13,910,000 |  |  |
| Project Phase-Level OPCC Contingency   | 0%  |        | \$0          |              |      |              |  |  |
| ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST   |     |        | \$13,910,000 |              |      |              |  |  |
| Construction Contingency   | 0%  |        | \$0          |              |      |              |  |  |
| Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and Legal and Admin |     |        |              |              |      | \$0          |  |  |
| ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST  |     |        |              |              |      | \$13,910,000 |  |  |



798-50-24-05

**OPPC PROVIDED BY:** Niloofar S.

**REVIEWED BY:** CEH



OWNER: Sonoma Water
LOCATION: Sonoma County, CA
WYA Project #: 798-50-24-05

neet Title: Cluster 5

Element #: 21

|  | DESCRIPTION   | QTY | UNIT   | UNIT COST   | COST         | COST | TOTAL COST   |  |
|--|---|-----|--------|-------------|--------------|------|--------------|--|
| 1  | Cluster 5 Collection System                                   | 100 | Parcel | \$109,300   | \$10,930,000 | \$0  | \$10,930,000 |  |
| 2  | Cluster 5 Raw Wastewater Pump Station                         | 1   | EA     | \$1,850,000 | \$1,850,000  | \$0  | \$1,850,000  |  |
| 3  |   |     |        |             |              |      |              |  |
| 4  |   |     |        |             |              |      |              |  |
| 5  |   |     |        |             |              |      |              |  |
| 6  |   |     |        |             |              |      |              |  |
| 7  |   |     |        |             |              |      |              |  |
| 8  |   |     |        |             |              |      |              |  |
| 9  |   |     |        |             |              |      |              |  |
| 10   |   |     |        |             |              |      |              |  |
| 11   |   |     |        |             |              |      |              |  |
| SUBTOTAL \$12,780  |   |     |        |             |              |      |              |  |
|  | Plant Paving, Grading, and Yard Piping                        |     |        |             | 0%           |      | \$0          |  |
|  | Mechanical and Piping   |     |        |             | 0%           |      | \$0          |  |
|  | Electrical  |     |        |             | 0%           |      | \$0          |  |
|  | Instrumentation and Controls                                  |     |        |             | 0%           |      | \$0          |  |
|  | SUBTOTAL  |     |        |             |              |      | \$12,780,000 |  |
|  | Tax on Materials  |     |        |             | 0%           |      | \$0          |  |
|  | Contractor's Markup on Sub-Contractors' Work                  |     |        |             | 0%           |      | \$0          |  |
|  | Contractor's Overhead and Profit                              |     |        |             | 0%           |      | \$0          |  |
|  | Mobilization and Demobilization                               |     |        |             | 0%           |      | \$0          |  |
|  | Contractor's General Conditions                               |     |        |             | 0%           |      | \$0          |  |
|  | SUBTOTAL  |     |        |             |              |      | \$12,780,000 |  |
| Project Phase-Level OPCC Contingency   |   |     |        |             |              |      | \$0          |  |
| ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST   |   |     |        |             |              |      | \$12,780,000 |  |
| Construction Contingency   |   |     |        |             |              |      | \$0          |  |
| Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and Legal and Admin |   |     |        |             | 0%           |      | \$0          |  |
|  | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST |     |        |             |              |      | \$12,780,000 |  |



**OPPC PROVIDED BY:** Niloofar S.

**REVIEWED BY:** CEH



LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05
Sheet Title: Cluster 6

Element #: 22

|                          | DESCRIPTION  | QTY | UNIT   | UNIT COST   | COST         | COST | TOTAL COST   |  |
|--------------------------|--|-----|--------|-------------|--------------|------|--------------|--|
| 1                        | Cluster 6 Collection System  | 440 | Parcel | \$99,900    | \$43,956,000 | \$0  | \$43,956,000 |  |
| 2                        | Cluster 6 Raw Wastewater Pump Station  | 1   | EA     | \$1,900,000 | \$1,900,000  | \$0  | \$1,900,000  |  |
| 3                        |  |     |        |             |              |      |              |  |
| 4                        |  |     |        |             |              |      |              |  |
| 5                        |  |     |        |             |              |      |              |  |
| 6                        |  |     |        |             |              |      |              |  |
| 7                        |  |     |        |             |              |      |              |  |
| 8                        |  |     |        |             |              |      |              |  |
| 9                        |  |     |        |             |              |      |              |  |
| 10                       |  |     |        |             |              |      |              |  |
| 11                       |  |     |        |             |              |      |              |  |
| SUBTOTAL                 |  |     |        |             |              |      |              |  |
|                          | Plant Paving, Grading, and Yard Piping   |     |        |             | 0%           | \$0  |              |  |
|                          | Mechanical and Piping  |     |        |             | 0%           |      | \$0          |  |
|                          | Electrical   |     |        |             | 0%           |      | \$0          |  |
|                          | Instrumentation and Controls   |     |        |             | 0%           |      | \$0          |  |
|                          | SUBTOTAL   |     |        |             |              |      | \$45,860,000 |  |
|                          | Tax on Materials   |     |        |             | 0%           |      | \$0          |  |
|                          | Contractor's Markup on Sub-Contractors' Work   |     |        |             | 0%           |      | \$0          |  |
|                          | Contractor's Overhead and Profit   |     |        |             | 0%           |      | \$0          |  |
|                          | Mobilization and Demobilization  |     |        |             | 0%           |      | \$0          |  |
|                          | Contractor's General Conditions  |     |        |             | 0%           |      | \$0          |  |
|                          | SUBTOTAL   |     |        |             |              |      | \$45,860,000 |  |
|                          | Project Phase-Level OPCC Contingency   | 0%  |        | \$0         |              |      |              |  |
|                          | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST   |     |        |             |              |      | \$45,860,000 |  |
| Construction Contingency |  |     |        |             |              |      | \$0          |  |
|                          | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and Legal and Admin |     |        |             |              |      | \$0          |  |
|                          | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST  |     |        |             |              |      | \$45,860,000 |  |

**OPPC PROVIDED BY:** Niloofar S.

**REVIEWED BY:** CEH

**OPPC PREPARATION DATE: 16-Oct-2025** 



**Sonoma Water** LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05 Sheet Title: Cluster 7

| W | ater. Engineered. Element #: 23       | REVIEWED BY: CEH |        |             |              |      |              |
|---|---------------------------------------|------------------|--------|-------------|--------------|------|--------------|
|   | DESCRIPTION                           | QTY              | UNIT   | UNIT COST   | COST         | COST | TOTAL COST   |
| 1 | Cluster 7 Collection System           | 450              | Parcel | \$103,100   | \$46,395,000 | \$0  | \$46,395,000 |
| 2 | Cluster 7 Raw Wastewater Pump Station | 1                | EA     | \$1,900,000 | \$1,900,000  | \$0  | \$1,900,000  |
| 3 |                                       |                  |        |             |              |      |              |
| 4 |                                       |                  |        |             |              |      |              |
| 5 |                                       |                  |        |             |              |      |              |
| 6 |                                       |                  |        |             |              |      |              |
| 7 |                                       |                  |        |             |              | •    |              |

| Mechanical and Piping                        | 0% | \$0          |
|--|----|--------------|
| Electrical                                   | 0% | \$0          |
| Instrumentation and Controls                 | 0% | \$0          |
| SUBTOTAL                                     |    | \$48,300,000 |
| Tax on Materials                             | 0% | \$0          |
| Contractor's Markup on Sub-Contractors' Work | 0% | \$0          |
| Contractor's Overhead and Profit             | 0% | \$0          |
| Mobilization and Demobilization              | 0% | \$0          |
| Contractor's General Conditions              | 0% | \$0          |
| SUBTOTAL                                     |    | \$48,300,000 |

| 005101712  |    | \$-10,500,000 |
|--|----|---------------|
| Project Phase-Level OPCC Contingency   | 0% | \$0           |
| ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST   |    | \$48,300,000  |
| Construction Contingency   | 0% | \$0           |
| Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and Legal and Admin | 0% | \$0           |
| ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST  |    | \$48,300,000  |



\$48,295,000

0%

**OPPC PROVIDED BY:** Niloofar S.

**OPPC PREPARATION DATE: 16-Oct-2025** 

798-50-24-05

9 10 11

**SUBTOTAL** 

Plant Paving, Grading, and Yard Piping



LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05
Sheet Title: Cluster 8

Element #: 24

|    | DESCRIPTION  | QTY | UNIT   | UNIT COST    | COST         | COST | TOTAL COST   |
|----|--|-----|--------|--------------|--------------|------|--------------|
| 1  | Cluster 8 Collection System  | 170 | Parcel | \$106,000    | \$18,020,000 | \$0  | \$18,020,000 |
| 2  | Cluster 8 Raw Wastewater Pump Station  | 1   | EA     | \$1,720,000  | \$1,720,000  | \$0  | \$1,720,000  |
| 3  |  |     |        |              |              |      |              |
| 4  |  |     |        |              |              |      |              |
| 5  |  |     |        |              |              |      |              |
| 6  |  |     |        |              |              |      |              |
| 7  |  |     |        |              |              |      |              |
| 8  |  |     |        |              |              |      |              |
| 9  |  |     |        |              |              |      |              |
| 10 |  |     |        |              |              |      |              |
| 11 |  |     |        |              |              |      |              |
|    | SUBTOTAL   |     |        |              |              |      | \$19,740,000 |
|    | Plant Paving, Grading, and Yard Piping   |     |        |              | 0%           |      | \$0          |
|    | Mechanical and Piping  |     |        |              | 0%           |      | \$0          |
|    | Electrical   |     |        |              | 0%           |      | \$0          |
|    | Instrumentation and Controls   |     |        |              | 0%           |      | \$0          |
|    | SUBTOTAL   |     |        |              |              |      | \$19,740,000 |
|    | Tax on Materials   |     |        |              | 0%           |      | \$0          |
|    | Contractor's Markup on Sub-Contractors' Work   |     |        |              | 0%           |      | \$0          |
|    | Contractor's Overhead and Profit   |     |        |              | 0%           |      | \$0          |
|    | Mobilization and Demobilization  |     |        |              | 0%           |      | \$0          |
|    | Contractor's General Conditions  |     |        |              | 0%           |      | \$0          |
|    | SUBTOTAL   |     |        |              |              |      | \$19,740,000 |
|    | Project Phase-Level OPCC Contingency   | 0%  |        | \$0          |              |      |              |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                               |     |        | \$19,740,000 |              |      |              |
|    | Construction Contingency   | 0%  |        | \$0          |              |      |              |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and |     | 0%     |              | \$0          |      |              |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                              |     |        | \$19,740,000 |              |      |              |

**OPPC PROVIDED BY:** Niloofar S.

**REVIEWED BY:** CEH

**OPPC PREPARATION DATE: 16-Oct-2025** 



OWNER: Sonoma Water LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05 Sheet Title: Cluster 9

Element #: 25

|    | DESCRIPTION  | QTY | UNIT   | UNIT COST    | COST         | COST | TOTAL COST   |
|----|--|-----|--------|--------------|--------------|------|--------------|
| 1  | Cluster 9 Collection System  | 140 | Parcel | \$105,800    | \$14,812,000 | \$0  | \$14,812,000 |
| 2  | Cluster 9 Raw Wastewater Pump Station  | 1   | EA     | \$1,720,000  | \$1,720,000  | \$0  | \$1,720,000  |
| 3  |  |     |        |              |              |      |              |
| 4  |  |     |        |              |              |      |              |
| 5  |  |     |        |              |              |      |              |
| 6  |  |     |        |              |              |      |              |
| 7  |  |     |        |              |              |      |              |
| 8  |  |     |        |              |              |      |              |
| 9  |  |     |        |              |              |      |              |
| 10 |  |     |        |              |              |      |              |
| 11 |  |     |        |              |              |      |              |
|    | SUBTOTAL   |     |        | \$16,532,000 |              |      |              |
|    | Plant Paving, Grading, and Yard Piping   |     |        |              | 0%           |      | \$0          |
|    | Mechanical and Piping  |     |        |              | 0%           |      | \$0          |
|    | Electrical   |     |        |              | 0%           |      | \$0          |
|    | Instrumentation and Controls   |     |        |              | 0%           |      | \$0          |
|    | SUBTOTAL   |     |        |              |              |      | \$16,530,000 |
|    | Tax on Materials   |     |        |              | 0%           |      | \$0          |
|    | Contractor's Markup on Sub-Contractors' Work   |     |        |              | 0%           |      | \$0          |
|    | Contractor's Overhead and Profit   |     |        |              | 0%           |      | \$0          |
|    | Mobilization and Demobilization  |     |        |              | 0%           |      | \$0          |
|    | Contractor's General Conditions  |     |        |              | 0%           |      | \$0          |
|    | SUBTOTAL   |     |        |              |              |      | \$16,530,000 |
|    | Project Phase-Level OPCC Contingency   | 0%  |        | \$0          |              |      |              |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                               |     |        | \$16,530,000 |              |      |              |
|    | Construction Contingency   |     | 0%     |              | \$0          |      |              |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and |     | 0%     |              | \$0          |      |              |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                              |     |        | \$16,530,000 |              |      |              |

**OPPC PROVIDED BY:** Niloofar S.

**REVIEWED BY:** CEH

**OPPC PREPARATION DATE: 16-Oct-2025** 



LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05
Sheet Title: Cluster 10

Element #: 26

|    | DESCRIPTION  | QTY | UNIT   | UNIT COST   | COST        | COST | TOTAL COST  |
|----|--|-----|--------|-------------|-------------|------|-------------|
| 1  | Cluster 10 Collection System   | 70  | Parcel | \$105,800   | \$7,406,000 | \$0  | \$7,406,000 |
| 2  | Cluster 10 Raw Wastewater Pump Station   | 1   | EA     | \$1,840,000 | \$1,840,000 | \$0  | \$1,840,000 |
| 3  |  |     |        |             |             |      |             |
| 4  |  |     |        |             |             |      |             |
| 5  |  |     |        |             |             |      |             |
| 6  |  |     |        |             |             |      |             |
| 7  |  |     |        |             |             |      |             |
| 8  |  |     |        |             |             |      |             |
| 9  |  |     |        |             |             |      |             |
| 10 |  |     |        |             |             |      |             |
| 11 |  |     |        |             |             |      |             |
|    | SUBTOTAL   |     |        | \$9,246,000 |             |      |             |
|    | Plant Paving, Grading, and Yard Piping   |     |        |             | 0%          |      | \$0         |
|    | Mechanical and Piping  |     |        |             | 0%          |      | \$0         |
|    | Electrical   |     |        |             | 0%          |      | \$0         |
|    | Instrumentation and Controls   |     |        |             | 0%          |      | \$0         |
|    | SUBTOTAL   |     |        |             |             |      | \$9,250,000 |
|    | Tax on Materials   |     |        |             | 0%          |      | \$0         |
|    | Contractor's Markup on Sub-Contractors' Work   |     |        |             | 0%          |      | \$0         |
|    | Contractor's Overhead and Profit   |     |        |             | 0%          |      | \$0         |
|    | Mobilization and Demobilization  |     |        |             | 0%          |      | \$0         |
|    | Contractor's General Conditions  |     |        |             | 0%          |      | \$0         |
|    | SUBTOTAL   |     |        |             |             |      | \$9,250,000 |
|    | Project Phase-Level OPCC Contingency   | 0%  |        | \$0         |             |      |             |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                               |     |        | \$9,250,000 |             |      |             |
|    | Construction Contingency   |     | 0%     |             | \$0         |      |             |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and |     | 0%     |             | \$0         |      |             |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                              |     |        | \$9,250,000 |             |      |             |

**OPPC PROVIDED BY:** Niloofar S.

**REVIEWED BY:** CEH

**OPPC PREPARATION DATE: 16-Oct-2025** 



OWNER: Sonoma Water LOCATION: Sonoma County, CA

Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and Legal and Admin

**ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST** 

WYA Project #: 798-50-24-05
Sheet Title: Cluster 11

Element #: 27

|    | DESCRIPTION  | QTY         | UNIT   | UNIT COST   | COST         | COST | TOTAL COST   |
|----|--|-------------|--------|-------------|--------------|------|--------------|
| 1  | Cluster 11 Collection System                             | 370         | Parcel | \$101,800   | \$37,666,000 | \$0  | \$37,666,000 |
| 2  | Cluster 11 Raw Wastewater Pump Station                   | 1           | EA     | \$1,930,000 | \$1,930,000  | \$0  | \$1,930,000  |
| 3  | OCSD piping/pumping upsize                               | 1           | LS     | \$2,000,000 | \$2,000,000  | \$0  | \$2,000,000  |
| 4  |  |             |        |             |              |      |              |
| 5  |  |             |        |             |              |      |              |
| 6  |  |             |        |             |              |      |              |
| 7  |  |             |        |             |              |      |              |
| 8  |  |             |        |             |              |      |              |
| 9  |  |             |        |             |              |      |              |
| 10 |  |             |        |             |              |      |              |
| 11 |  |             |        |             |              |      |              |
|    | SUBTOTAL   | -           |        |             |              |      | \$41,596,000 |
|    | Plant Paving, Grading, and Yard Piping                   |             |        |             | 0%           |      | \$0          |
|    | Mechanical and Piping                                    |             |        |             | 0%           |      | \$0<br>\$0   |
|    | Electrical   |             |        |             | 0%           |      |              |
|    | Instrumentation and Controls                             |             |        |             | 0%           |      | \$0          |
|    | SUBTOTAL   |             |        |             |              |      | \$41,600,000 |
|    | Tax on Materials   |             |        |             | 0%           |      | \$0          |
|    | Contractor's Markup on Sub-Contractors' Work             |             |        |             | 0%           |      | \$0          |
|    | Contractor's Overhead and Profit                         |             |        |             | 0%           |      | \$0          |
|    | Mobilization and Demobilization                          |             |        |             | 0%           |      | \$0          |
|    | Contractor's General Conditions                          |             |        |             | 0%           |      | \$0          |
|    | SUBTOTAL   |             |        |             | \$41,600,000 |      |              |
|    | Project Phase-Level OPCC Contingency                     | 0%          |        | \$0         |              |      |              |
|    | <b>ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTR</b> | UCTION COST |        |             |              |      | \$41,600,000 |

**Construction Contingency** 

\$41,600,000

\$0

0%

0%

**OPPC PROVIDED BY:** Niloofar S.

**REVIEWED BY:** CEH

**OPPC PREPARATION DATE: 16-Oct-2025** 



OWNER: Sonoma Water LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05
Sheet Title: Cluster 12

Element #: 28

|    | DESCRIPTION  | QTY | UNIT   | UNIT COST    | COST         | COST | TOTAL COST   |
|----|--|-----|--------|--------------|--------------|------|--------------|
| 1  | Cluster 12 Collection System   | 781 | Parcel | \$111,667    | \$87,211,667 | \$0  | \$87,212,000 |
| 2  |  |     |        |              |              |      |              |
| 3  |  |     |        |              |              |      |              |
| 4  |  |     |        |              |              |      |              |
| 5  |  |     |        |              |              |      |              |
| 6  |  |     |        |              |              |      |              |
| 7  |  |     |        |              |              |      |              |
| 8  |  |     |        |              |              |      |              |
| 9  |  |     |        |              |              |      |              |
| 10 |  |     |        |              |              |      |              |
| 11 |  |     |        |              |              |      |              |
|    | SUBTOTAL   |     |        |              |              |      | \$87,212,000 |
|    | Plant Paving, Grading, and Yard Piping   |     |        |              | 0%           |      | \$0          |
|    | Mechanical and Piping  |     |        |              | 0%           |      | \$0          |
|    | Electrical   |     |        |              | 0%           |      | \$0          |
|    | Instrumentation and Controls   |     |        |              | 0%           |      | \$0          |
|    | SUBTOTAL   |     |        |              |              |      | \$87,210,000 |
|    | Tax on Materials   |     |        |              | 0%           |      | \$0          |
|    | Contractor's Markup on Sub-Contractors' Work   |     |        |              | 0%           |      | \$0          |
|    | Contractor's Overhead and Profit   |     |        |              | 0%           |      | \$0          |
|    | Mobilization and Demobilization  |     |        |              | 0%           |      | \$0          |
|    | Contractor's General Conditions  |     |        |              | 0%           |      | \$0          |
|    | SUBTOTAL   |     |        |              |              |      | \$87,210,000 |
|    | Project Phase-Level OPCC Contingency   | 0%  |        | \$0          |              |      |              |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                               |     |        |              | \$87,210,000 |      |              |
|    | Construction Contingency   | 0%  |        | \$0          |              |      |              |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and |     | 0%     |              | \$0          |      |              |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                              |     |        | \$87,210,000 |              |      |              |

**OPPC PROVIDED BY:** Niloofar S.

**REVIEWED BY:** CEH

**OPPC PREPARATION DATE: 16-Oct-2025** 



OWNER: Sonoma Water
LOCATION: Sonoma County, CA
WYA Project #: 798-50-24-05

WYA Project #: 798-50-24-0
OPCC Manager: Niloofar S.
Reviewer: CEH

**Description of Work:** Cost Estimating

Type of Estimate: Class 5

Date of This Estimate: 16-Oct-25

| ELEMENT# | DESCRIPTION  | UNIT COST     | UNITS         | ANTICIPATED COST |
|----------|--|---------------|---------------|------------------|
| 1        | Equalization Facilities at FWD WWTP                                  | \$3,400,000   | 1             | \$3,400,000      |
| 2        | Headworks Improvement at GCSD WWTP                                   | \$900,000     | 1             | \$900,000        |
| 3        | Equalization Facilities at GCSD WWTP                                 | \$200,000     | 1             | \$200,000        |
| 4        | Equalization Facilities at RRCSD WWTP                                | \$300,000     | 1             | \$300,000        |
| 5        | Inter Facilities Pipelines   | \$3,900,000   | 1             | \$3,900,000      |
| 6        | Conveyance Pipelines   | \$184,800,000 | 1             | \$184,800,000    |
| 7        | Conveyance Pump Stations   | \$9,000,000   | 1             | \$9,000,000      |
| 8        | Connection fee to Windsor  | \$135,800,000 | 1             | \$135,800,000    |
| 9        | Cluster 1 Sewer Service Connection                                   | \$7,500,000   | 1             | \$7,500,000      |
| 10       | Cluster 2 Sewer Service Connection                                   | \$7,900,000   | 1             | \$7,900,000      |
| 11       | Cluster 3 Sewer Service Connection                                   | \$21,100,000  | 1             | \$21,100,000     |
| 12       | Cluster 4 Sewer Service Connection                                   | \$13,900,000  | 1             | \$13,900,000     |
| 13       | Cluster 5 Sewer Service Connection                                   | \$12,800,000  | 1             | \$12,800,000     |
| 14       | Cluster 6 Sewer Service Connection                                   | \$45,900,000  | 1             | \$45,900,000     |
| 15       | Cluster 7 Sewer Service Connection                                   | \$48,300,000  | 1             | \$48,300,000     |
| 16       | Cluster 8 Sewer Service Connection                                   | \$19,700,000  | 1             | \$19,700,000     |
| 17       | Cluster 9 Sewer Service Connection                                   | \$16,500,000  | 1             | \$16,500,000     |
| 18       | Cluster 10 Sewer Service Connection                                  | \$9,300,000   | 1             | \$9,300,000      |
| 19       | Cluster 11 Sewer Service Connection                                  | \$41,600,000  | 1             | \$41,600,000     |
| 20       | Cluster 12 Sewer Service Connection                                  | \$87,200,000  | 1             | \$87,200,000     |
|          | -  |               |               |                  |
|          | -  |               |               |                  |
|          |  |               |               |                  |
|          |  |               |               |                  |
|          |  |               |               |                  |
|          | ENGINEER'S PRELIMINARY OPINION OF PROBABLE PROJECT COST              |               | \$670,000,000 |                  |
|          | Construction Contingency   |               | \$0           |                  |
|          | Engineering Design, Environmental Planning and Studies, Construction |               | 4400 605 55   |                  |
|          | Management, ESDC, and Legal and Admin Costs                          | 25%           |               | \$133,600,000    |





LOCATION: Sonoma County, CA WYA Project #: 798-50-24-05

heet Title: FWD EQ Facilities

lement #: 1

|    | DESCRIPTION  | QTY | UNIT | UNIT COST   | COST        | COST | TOTAL COST  |
|----|--|-----|------|-------------|-------------|------|-------------|
| 1  | Flow Control Structure   | 1   | EA   | \$98,000    | \$98,000    | \$0  | \$98,000    |
| 2  | 6" Pipeline  | 210 | LF   | \$180       | \$37,800    | \$0  | \$38,000    |
| 3  | 8" Pipeline  | 480 | LF   | \$240       | \$115,200   | \$0  | \$115,000   |
| 4  | FWD Ponds Drain Pump   | 1   | EA   | \$1,750,000 | \$1,750,000 | \$0  | \$1,750,000 |
| 5  |  |     |      |             |             |      |             |
| 6  |  |     |      |             |             |      |             |
| 7  |  |     |      |             |             |      |             |
| 8  |  |     |      |             |             |      |             |
| 9  |  |     |      |             |             |      |             |
| 10 |  |     |      |             |             |      |             |
|    |  |     |      |             |             |      |             |
|    | SUBTOTAL   |     |      |             |             |      |             |
|    | Plant Paving, Grading, and Yard Piping   |     |      |             | 0%          |      | \$0         |
|    | Mechanical and Piping  |     |      |             | 0%          |      | \$0         |
|    | Electrical   |     |      |             | 0%          |      | \$0         |
|    | Instrumentation and Controls   |     |      |             | 0%          |      | \$0         |
|    | SUBTOTAL   |     |      |             |             |      | \$2,000,000 |
|    | Tax on Materials   |     |      |             | 0%          |      | \$0         |
|    | Contractor's Markup on Sub-Contractors' Work   |     |      |             | 10%         |      | \$0         |
|    | Contractor's Overhead and Profit   |     |      |             | 15%         |      | \$300,000   |
|    | Mobilization and Demobilization  |     |      |             | 5%          |      | \$100,000   |
|    | Contractor's General Conditions  |     |      |             | 10%         |      | \$200,000   |
|    | SUBTOTAL   |     |      |             |             |      | \$2,600,000 |
|    | Project Phase-Level OPCC Contingency   |     |      |             | 30%         |      | \$780,000   |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                               |     |      |             |             |      | \$3,380,000 |
|    | Construction Contingency   |     | 0%   |             | \$0         |      |             |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and | 25% |      | \$845,000   |             |      |             |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                              |     |      |             |             |      | \$4,230,000 |



**OPPC PROVIDED BY:** Niloofar S.

**REVIEWED BY:** CEH



LOCATION: Sonoma County, CA
WYA Project #: 798-50-24-05

heet Title: GCSD Headworks

ement #: 2 REVIEWED BY: CEH

|    | DESCRIPTION  | QTY | UNIT | UNIT COST | COST      | COST        | TOTAL COST |
|----|--|-----|------|-----------|-----------|-------------|------------|
| 1  | ROTAMAT Micro Strainer Ro9   | 1   | LS   | \$157,000 | \$157,000 | \$157,000   | \$314,000  |
| 2  | Bin  | 1   | LS   | \$50,000  | \$50,000  | \$0         | \$50,000   |
| 3  |  |     |      |           |           |             |            |
| 4  |  |     |      |           |           |             |            |
| 5  |  |     |      |           |           |             |            |
| 6  |  |     |      |           |           |             |            |
| 7  |  |     |      |           |           |             |            |
| 8  |  |     |      |           |           |             |            |
| 9  |  |     |      |           |           |             |            |
| 10 |  |     |      |           |           |             |            |
|    |  |     |      |           |           |             |            |
|    | SUBTOTAL   |     |      |           |           |             | \$364,000  |
|    | Plant Paving, Grading, and Yard Piping   |     |      |           | 0%        |             | \$0        |
|    | Mechanical and Piping  |     |      |           | 5%        |             | \$18,000   |
|    | Electrical   |     |      |           | 25%       |             | \$91,000   |
|    | Instrumentation and Controls   |     |      |           | 15%       |             | \$55,000   |
|    | SUBTOTAL   |     |      |           |           |             | \$530,000  |
|    | Tax on Materials   |     |      |           | 9.3%      |             | \$19,000   |
|    | Contractor's Markup on Sub-Contractors' Work   |     |      |           | 10%       |             | \$15,000   |
|    | Contractor's Overhead and Profit   |     |      |           | 15%       |             | \$80,000   |
|    | Mobilization and Demobilization  |     |      |           | 5%        |             | \$27,000   |
|    | Contractor's General Conditions  |     |      |           | 10%       |             | \$53,000   |
|    | SUBTOTAL   |     |      |           |           |             | \$720,000  |
|    | Project Phase-Level OPCC Contingency   |     | 30%  |           | \$216,000 |             |            |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                               |     |      |           | \$940,000 |             |            |
|    | Construction Contingency   |     | 0%   |           | \$0       |             |            |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and |     | 25%  |           | \$235,000 |             |            |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                              |     |      |           |           | \$1,180,000 |            |



**OPPC PROVIDED BY:** Niloofar S.



LOCATION: Sonoma County, CA
WYA Project #: 798-50-24-05

Sheet Title: GCSD EQ Facilities

ement #: 3 REVIEWED BY: CEH

|    | DESCRIPTION  | QTY | UNIT | UNIT COST | COST     | COST | TOTAL COST |
|----|--|-----|------|-----------|----------|------|------------|
| 1  | Flow Control Structure   | 1   | EA   | \$98,000  | \$98,000 | \$0  | \$98,000   |
| 2  | 8" Pipeline  | 30  | LF   | \$240     | \$7,200  | \$0  | \$7,000    |
| 3  |  |     |      |           |          |      |            |
| 4  |  |     |      |           |          |      |            |
| 5  |  |     |      |           |          |      |            |
| 6  |  |     |      |           |          |      |            |
| 7  |  |     |      |           |          |      |            |
| 8  |  |     |      |           |          |      |            |
| 9  |  |     |      |           |          |      |            |
| 10 |  |     |      |           |          |      |            |
|    |  |     |      |           |          |      |            |
|    | SUBTOTAL   |     |      | \$105,000 |          |      |            |
|    | Plant Paving, Grading, and Yard Piping   |     |      |           | 0%       |      | \$0        |
|    | Mechanical and Piping  |     |      |           | 0%       |      | \$0        |
|    | Electrical   |     |      |           | 0%       |      | \$0        |
|    | Instrumentation and Controls   |     |      |           | 0%       |      | \$0        |
|    | SUBTOTAL   |     |      |           |          |      | \$110,000  |
|    | Tax on Materials   |     |      |           | 0%       |      | \$0        |
|    | Contractor's Markup on Sub-Contractors' Work   |     |      |           | 10%      |      | \$0        |
|    | Contractor's Overhead and Profit   |     |      |           | 15%      |      | \$17,000   |
|    | Mobilization and Demobilization  |     |      |           | 5%       |      | \$6,000    |
|    | Contractor's General Conditions  |     |      |           | 10%      |      | \$11,000   |
|    | SUBTOTAL   |     |      |           |          |      | \$140,000  |
|    | Project Phase-Level OPCC Contingency   | 30% |      | \$42,000  |          |      |            |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                               |     |      | \$180,000 |          |      |            |
|    | Construction Contingency   |     | 0%   |           | \$0      |      |            |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and |     | 25%  |           | \$45,000 |      |            |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                              |     |      |           |          |      | \$230,000  |

**OPPC PROVIDED BY:** Niloofar S.



PROJECT: West County - Alternative 2a
OWNER: Sonoma Water
LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05

eet Title: RRCSD EQ Facilities

ent #: 4 REVIEWED BY: CEH

|    | DESCRIPTION  | QTY | UNIT | UNIT COST | COST      | COST | TOTAL COST |
|----|--|-----|------|-----------|-----------|------|------------|
| 1  | Flow Control Structure   | 1   | EA   | \$98,000  | \$98,000  | \$0  | \$98,000   |
| 2  | 16" Pipeline   | 190 | LF   | \$480     | \$91,200  | \$0  | \$91,000   |
| 3  |  |     |      |           |           |      |            |
| 4  |  |     |      |           |           |      |            |
| 5  |  |     |      |           |           |      |            |
| 6  |  |     |      |           |           |      |            |
| 7  |  |     |      |           |           |      |            |
| 8  |  |     |      |           |           |      |            |
| 9  |  |     |      |           |           |      |            |
| 10 |  |     |      |           |           |      |            |
|    |  |     |      |           |           |      |            |
|    | SUBTOTAL   |     |      | \$189,000 |           |      |            |
|    | Plant Paving, Grading, and Yard Piping   |     |      |           | 0%        |      | \$0        |
|    | Mechanical and Piping  |     |      |           | 0%        |      | \$0        |
|    | Electrical   |     |      |           | 0%        |      | \$0        |
|    | Instrumentation and Controls   |     |      |           | 0%        |      | \$0        |
|    | SUBTOTAL   |     |      |           |           |      | \$190,000  |
|    | Tax on Materials   |     |      |           | 0%        |      | \$0        |
|    | Contractor's Markup on Sub-Contractors' Work   |     |      |           | 10%       |      | \$0        |
|    | Contractor's Overhead and Profit   |     |      |           | 15%       |      | \$29,000   |
|    | Mobilization and Demobilization  |     |      |           | 5%        |      | \$10,000   |
|    | Contractor's General Conditions  |     |      |           | 10%       |      | \$19,000   |
|    | SUBTOTAL   |     |      |           |           |      | \$250,000  |
|    | Project Phase-Level OPCC Contingency   | 30% |      | \$75,000  |           |      |            |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                               |     |      |           | \$330,000 |      |            |
|    | Construction Contingency   |     | 0%   |           | \$0       |      |            |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and |     | 25%  |           | \$83,000  |      |            |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                              |     |      |           |           |      | \$410,000  |

**OPPC PROVIDED BY:** Niloofar S.

**OPPC PREPARATION DATE: 16-Oct-25** 



LOCATION: Sonoma County, CA WYA Project #: 798-50-24-05

Sheet Title: Pipeline-Inter Plants

ement #: 5

|    | DESCRIPTION  | QTY   | UNIT | UNIT COST | COST        | COST        | TOTAL COST  |
|----|--|-------|------|-----------|-------------|-------------|-------------|
| 1  | Rehab 8 inch Pipeline  | 8,976 | LF   | \$120     | \$1,077,120 | \$0         | \$1,077,000 |
| 2  | 6 inch Pipeline  | 6,720 | LF   | \$180     | \$1,209,600 | \$0         | \$1,210,000 |
| 3  |  |       |      |           |             |             |             |
| 4  |  |       |      |           |             |             |             |
| 5  |  |       |      |           |             |             |             |
| 6  |  |       |      |           |             |             |             |
| 7  |  |       |      |           |             |             |             |
| 8  |  |       |      |           |             |             |             |
| 9  |  |       |      |           |             |             |             |
| 10 |  |       |      |           |             |             |             |
|    |  |       |      |           |             |             |             |
|    | SUBTOTAL   |       |      |           |             |             | \$2,287,000 |
|    | Plant Paving, Grading, and Yard Piping   |       |      |           | 0%          |             | \$0         |
|    | Mechanical and Piping  |       |      |           | 0%          |             | \$0         |
|    | Electrical   |       |      |           | 0%          |             | \$0         |
|    | Instrumentation and Controls   |       |      |           | 0%          |             | \$0         |
|    | SUBTOTAL   |       |      |           |             |             | \$2,290,000 |
|    | Tax on Materials   |       |      |           | 0%          |             | \$0         |
|    | Contractor's Markup on Sub-Contractors' Work   |       |      |           | 10%         |             | <b>\$</b> 0 |
|    | Contractor's Overhead and Profit   |       |      |           | 15%         |             | \$344,000   |
|    | Mobilization and Demobilization  |       |      |           | 5%          |             | \$115,000   |
|    | Contractor's General Conditions  |       |      |           | 10%         |             | \$229,000   |
|    | SUBTOTAL   |       |      |           |             |             | \$2,980,000 |
|    | Project Phase-Level OPCC Contingency   |       | 30%  |           | \$894,000   |             |             |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST   |       |      |           |             |             | \$3,870,000 |
|    | Construction Contingency   |       | 0%   |           | \$0         |             |             |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and Legal and Admin |       |      |           |             |             | \$968,000   |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST  |       |      |           |             | \$4,840,000 |             |

**OPPC PROVIDED BY:** Niloofar S.

**REVIEWED BY: CEH** 



OWNER: Sonoma Water LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05

Sheet Title: Conveyance Pipelines

ment #: 6 REVIEWED BY: CEH

| DESCRIPTION  | QTY      | UNIT | UNIT COST    | COST         | COST | TOTAL COST   |  |
|--|----------|------|--------------|--------------|------|--------------|--|
| 1 Creek Crossing   | 7        | EA   | \$3,800,000  | \$26,600,000 | \$0  | \$26,600,000 |  |
| 2 4" Pipeline  | 8,650    | LF   | \$120        | \$1,038,000  | \$0  | \$1,038,000  |  |
| 3 8" Pipeline  | 3,960    | LF   | \$240        | \$950,400    | \$0  | \$950,000    |  |
| 4 10" Pipeline   | 8,310    | LF   | \$300        | \$2,493,000  | \$0  | \$2,493,000  |  |
| 5 16" Pipeline   | 5,370    | LF   | \$480        | \$2,577,600  | \$0  | \$2,578,000  |  |
| 6 24" Pipeline   | 52,310   | LF   | \$720        | \$37,663,200 | \$0  | \$37,663,000 |  |
| 7 30" Pipeline   | 42,240   | LF   | \$900        | \$38,016,000 | \$0  | \$38,016,000 |  |
| 8  |          |      |              |              |      |              |  |
| 9  |          |      |              |              |      |              |  |
| 10   |          |      |              |              |      |              |  |
|  |          |      |              |              |      |              |  |
| SUBTOTAL   | SUBTOTAL |      |              |              |      |              |  |
| Plant Paving, Grading, and Yard Piping   |          |      |              | 0%           |      | \$0          |  |
| Mechanical and Piping  |          |      |              | 0%           |      | \$0          |  |
| Electrical   |          |      |              | 0%           |      | \$0          |  |
| Instrumentation and Controls   |          |      |              | 0%           |      | \$0          |  |
| SUBTOTAL   |          |      |              |              |      | ##########   |  |
| Tax on Materials   |          |      |              | 0%           |      | \$0          |  |
| Contractor's Markup on Sub-Contractors' Work                                     |          |      |              | 10%          |      | \$0          |  |
| Contractor's Overhead and Profit   |          |      |              | 15%          |      | \$16,401,000 |  |
| Mobilization and Demobilization  |          |      |              | 5%           |      | \$5,467,000  |  |
| Contractor's General Conditions  |          |      |              | 10%          |      | \$10,934,000 |  |
| SUBTOTAL   |          |      |              |              |      | ##########   |  |
| Project Phase-Level OPCC Contingency   | 30%      |      | \$42,642,000 |              |      |              |  |
| ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION C                        |          |      | ##########   |              |      |              |  |
| Construction Contingency   |          | 0%   |              | \$0          |      |              |  |
| Engineering Design, Environmental Planning and Studies, Construction Management, |          | 25%  |              | \$46,195,000 |      |              |  |
| ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL CO                      |          |      |              | ##########   |      |              |  |

**OPPC PROVIDED BY:** Niloofar S.



OWNER: Sonoma Water LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05

Sheet Title: Conveyance PS

ment #: 7

**OPPC PROVIDED BY:** Niloofar S. **OPPC PREPARATION DATE:** 16-Oct-25

**REVIEWED BY:** CEH

|          | DESCRIPTION  | QTY | UNIT | UNIT COST   | COST        | COST | TOTAL COST   |  |
|----------|--|-----|------|-------------|-------------|------|--------------|--|
| 1        | GCSD Raw Wastewater Pump Station   | 1   | EA   | \$1,860,000 | \$1,860,000 | \$0  | \$1,860,000  |  |
| 2        | FWD Raw Wastewater Pump Station  | 1   | EA   | \$2,170,000 | \$2,170,000 | \$0  | \$2,170,000  |  |
| 3        | RRCSD Raw Wastewater Pump Station  | 1   | EA   | \$2,900,000 | \$2,900,000 | \$0  | \$2,900,000  |  |
| 4        |  |     |      |             |             |      |              |  |
| 5        |  |     |      |             |             |      |              |  |
| 6        |  |     |      |             |             |      |              |  |
| 7        |  |     |      |             |             |      |              |  |
| 8        |  |     |      |             |             |      |              |  |
| 9        |  |     |      |             |             |      |              |  |
| 10       |  |     |      |             |             |      |              |  |
|          |  |     |      |             |             |      |              |  |
| SUBTOTAL |  |     |      |             |             |      |              |  |
|          | Plant Paving, Grading, and Yard Piping   | 0%  | \$0  |             |             |      |              |  |
|          | Mechanical and Piping  | 0%  | \$0  |             |             |      |              |  |
|          | Electrical   |     |      |             |             | \$0  |              |  |
|          | Instrumentation and Controls   |     |      |             |             |      | \$0          |  |
|          | <b>SUBTOTAL</b> \$6,930,000  |     |      |             |             |      |              |  |
|          | Tax on Materials   |     |      |             |             | \$0  |              |  |
|          | Contractor's Markup on Sub-Contractors' Work   |     |      |             |             | \$0  |              |  |
|          | Contractor's Overhead and Profit   |     |      |             |             |      | \$0          |  |
|          | Mobilization and Demobilization  |     |      |             |             |      | \$0          |  |
|          | Contractor's General Conditions  |     |      |             | 0%          |      | \$0          |  |
|          | SUBTOTAL   |     |      |             |             |      | \$6,930,000  |  |
|          | Project Phase-Level OPCC Contingency   |     |      |             |             |      | \$2,079,000  |  |
|          | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST   |     |      |             |             |      | \$9,010,000  |  |
|          | Construction Contingency   |     |      |             |             | \$0  |              |  |
|          | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and Legal and Admin |     |      |             |             |      | \$2,253,000  |  |
|          | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST  |     |      |             |             |      | \$11,260,000 |  |



**Connection fee** 

OWNER: Sonoma Water LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05

ement #: REVIEWED BY: CEH

| DESCRIPTION   | QTY | UNIT | UNIT COST  | COST        | COST | TOTAL COST  |  |  |
|---|-----|------|------------|-------------|------|-------------|--|--|
| 1 Connection fee to Windsor   | 1   | LS   | ########## | ########### | \$0  | ########### |  |  |
| 2   |     |      |            |             |      |             |  |  |
| 3   |     |      |            |             |      |             |  |  |
| 4   |     |      |            |             |      |             |  |  |
| 5   |     |      |            |             |      |             |  |  |
| 6   |     |      |            |             |      |             |  |  |
| 7   |     |      |            |             |      |             |  |  |
| 8   |     |      |            |             |      |             |  |  |
| 9   |     |      |            |             |      |             |  |  |
| 10  |     |      |            |             |      |             |  |  |
|   |     |      |            |             |      |             |  |  |
| SUBTOTAL ####   |     |      |            |             |      |             |  |  |
| Plant Paving, Grading, and Yard Piping  | 0%  |      | \$0        |             |      |             |  |  |
| Mechanical and Piping   |     |      |            |             |      | \$0         |  |  |
| Electrical  | · · |      |            |             |      | \$0         |  |  |
| nstrumentation and Controls   |     |      |            |             |      | \$0         |  |  |
| SUBTOTAL #########  |     |      |            |             |      |             |  |  |
| Tax on Materials  |     |      |            |             |      | \$0         |  |  |
| Contractor's Markup on Sub-Contractors' Work  |     |      |            |             |      | \$0         |  |  |
| Contractor's Overhead and Profit  | 0%  |      | \$0        |             |      |             |  |  |
| Mobilization and Demobilization   |     |      |            |             |      | \$0         |  |  |
| Contractor's General Conditions   |     |      |            | 0%          |      | \$0         |  |  |
| SUBTOTAL  |     |      |            |             |      | ########### |  |  |
| Project Phase-Level OPCC Contingency  |     |      |            | 0%          |      | \$0         |  |  |
| ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                              |     |      | ########## |             |      |             |  |  |
| Construction Contingency  | 0%  |      | \$0        |             |      |             |  |  |
| Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, ar | 0%  |      | \$0        |             |      |             |  |  |
| ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                             |     |      |            |             |      | ########### |  |  |



**OPPC PROVIDED BY:** Niloofar S.



OWNER: Sonoma Water LOCATION: Sonoma County, CA

Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and Legal and Admin

**ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST** 

WYA Project #: 798-50-24-05
Sheet Title: Cluster 1

eet Title: Cluster 1
ment #: 9

|    | DESCRIPTION  | QTY | UNIT   | UNIT COST   | COST        | COST | TOTAL COST  |
|----|--|-----|--------|-------------|-------------|------|-------------|
| 1  | Cluster 1 Collection System                                  | 50  | Parcel | \$112,200   | \$5,610,000 | \$0  | \$5,610,000 |
| 2  | Cluster 1 Raw Wastewater Pump Station                        | 1   | EA     | \$1,840,000 | \$1,840,000 | \$0  | \$1,840,000 |
| 3  |  |     |        |             |             |      |             |
| 4  |  |     |        |             |             |      |             |
| 5  |  |     |        |             |             |      |             |
| 6  |  |     |        |             |             |      |             |
| 7  |  |     |        |             |             |      |             |
| 8  |  |     |        |             |             |      |             |
| 9  |  |     |        |             |             |      |             |
| 10 |  |     |        |             |             |      |             |
| 11 |  |     |        |             |             |      |             |
|    | SUBTOTAL   |     |        |             |             |      | \$7,450,000 |
|    | Plant Paving, Grading, and Yard Piping                       |     |        |             | 0%          |      | \$0         |
|    | Mechanical and Piping  |     |        |             | 0%          |      | \$0         |
|    | Electrical   |     |        |             | 0%          |      | \$0         |
|    | Instrumentation and Controls                                 |     |        |             | 0%          |      | \$0         |
|    | SUBTOTAL   |     |        |             |             |      | \$7,450,000 |
|    | Tax on Materials   |     |        |             | 0%          |      | \$0         |
|    | Contractor's Markup on Sub-Contractors' Work                 |     |        |             | 0%          |      | \$0         |
|    | Contractor's Overhead and Profit                             |     |        |             | 0%          |      | \$0         |
|    | Mobilization and Demobilization                              |     |        |             | 0%          |      | \$0         |
|    | Contractor's General Conditions                              |     |        |             | 0%          |      | \$0         |
|    | SUBTOTAL   |     |        |             |             |      | \$7,450,000 |
|    | Project Phase-Level OPCC Contingency                         |     |        |             | 0%          |      | \$0         |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST |     |        |             |             |      | \$7,450,000 |
|    | Construction Contingency                                     |     |        |             | 0%          |      | \$0         |



\$7,450,000

\$0

0%

**OPPC PROVIDED BY:** Niloofar S.

**REVIEWED BY:** CEH

**OPPC PREPARATION DATE: 16-Oct-25** 

798-50-24-05



LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05
Sheet Title: Cluster 2

lement #: 10

| OPPC PROVIDED BY: Niloofar S.            |
|--|
| <b>OPPC PREPARATION DATE: </b> 16-Oct-25 |
| REVIEWED BY: CEH                         |

|    | DESCRIPTION  | QTY           | UNIT   | UNIT COST   | COST        | COST | TOTAL COST  |
|----|--|---------------|--------|-------------|-------------|------|-------------|
| 1  | Cluster 2 Collection System  | 60            | Parcel | \$103,600   | \$6,216,000 | \$0  | \$6,216,000 |
| 2  | Cluster 2 Raw Wastewater Pump Station  | 1             | EA     | \$1,710,000 | \$1,710,000 | \$0  | \$1,710,000 |
| 3  |  |               |        |             |             |      |             |
| 4  |  |               |        |             |             |      |             |
| 5  |  |               |        |             |             |      |             |
| 6  |  |               |        |             |             |      |             |
| 7  |  |               |        |             |             |      |             |
| 8  |  |               |        |             |             |      |             |
| 9  |  |               |        |             |             |      |             |
| 10 |  |               |        |             |             |      |             |
| 11 |  |               |        |             |             |      |             |
|    | SUBTOTAL   |               |        |             |             |      | \$7,926,000 |
|    | Plant Paving, Grading, and Yard Piping   |               |        |             | 0%          |      | \$0         |
|    | Mechanical and Piping  |               |        |             | 0%          |      | \$0         |
|    | Electrical   |               |        |             | 0%          |      | \$0         |
|    | Instrumentation and Controls   |               |        |             | 0%          |      | \$0         |
|    | SUBTOTAL   |               |        |             |             |      | \$7,930,000 |
|    | Tax on Materials   |               |        |             | 0%          |      | \$0         |
|    | Contractor's Markup on Sub-Contractors' Work   |               |        |             | 0%          |      | \$0         |
|    | Contractor's Overhead and Profit   |               |        |             | 0%          |      | \$0         |
|    | Mobilization and Demobilization  |               |        |             | 0%          |      | \$0         |
|    | Contractor's General Conditions  |               |        |             | 0%          |      | \$0         |
|    | SUBTOTAL   |               |        |             |             |      | \$7,930,000 |
|    | Project Phase-Level OPCC Contingency   |               |        |             |             |      | \$0         |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                               |               |        |             |             |      | \$7,930,000 |
|    | Construction Contingency   |               |        |             | 0%          |      | \$0         |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and | d Legal and A | Admin  |             | 0%          |      | \$0         |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                              |               |        |             |             |      | \$7,930,000 |



LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05

neet Title: Cluster 3

ent #: 11 REVIEWED BY: CEH

|    | DESCRIPTION  | QTY           | UNIT   | UNIT COST   | COST         | COST | TOTAL COST   |
|----|--|---------------|--------|-------------|--------------|------|--------------|
| 1  | Cluster 3 Collection System  | 190           | Parcel | \$101,100   | \$19,209,000 | \$0  | \$19,209,000 |
| 2  | Cluster 3 Raw Wastewater Pump Station  | 1             | EA     | \$1,860,000 | \$1,860,000  | \$0  | \$1,860,000  |
| 3  |  |               |        |             |              |      |              |
| 4  |  |               |        |             |              |      |              |
| 5  |  |               |        |             |              |      |              |
| 6  |  |               |        |             |              |      |              |
| 7  |  |               |        |             |              |      |              |
| 8  |  |               |        |             |              |      |              |
| 9  |  |               |        |             |              |      |              |
| 10 |  |               |        |             |              |      |              |
| 11 |  |               |        |             |              |      |              |
|    | SUBTOTAL   |               |        |             |              |      | \$21,069,000 |
|    | Plant Paving, Grading, and Yard Piping   |               |        |             | 0%           |      | \$0          |
|    | Mechanical and Piping  |               |        |             | 0%           |      | \$0          |
|    | Electrical   |               |        |             | 0%           |      | \$0          |
|    | Instrumentation and Controls   |               |        |             | 0%           |      | \$0          |
|    | SUBTOTAL   |               |        |             |              |      | \$21,070,000 |
|    | Tax on Materials   |               |        |             | 0%           |      | \$0          |
|    | Contractor's Markup on Sub-Contractors' Work   |               |        |             | 0%           |      | \$0          |
|    | Contractor's Overhead and Profit   |               |        |             | 0%           |      | \$0          |
|    | Mobilization and Demobilization  |               |        |             | 0%           |      | \$0          |
|    | Contractor's General Conditions  |               |        |             | 0%           |      | \$0          |
|    | SUBTOTAL   |               |        |             |              |      | \$21,070,000 |
|    | Project Phase-Level OPCC Contingency   |               |        |             |              |      | \$0          |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                               |               |        |             |              |      | \$21,070,000 |
|    | Construction Contingency   | _             |        | _           | 0%           | _    | \$0          |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and | d Legal and A | Admin  |             | 0%           |      | \$0          |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                              |               |        |             |              |      | \$21,070,000 |

**OPPC PROVIDED BY:** Niloofar S.



OWNER: Sonoma Water LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05
Sheet Title: Cluster 4

Element #: 12

| DESCRIPTION  | QTY         | UNIT   | UNIT COST   | COST         | COST | TOTAL COST   |
|--|-------------|--------|-------------|--------------|------|--------------|
| 1 Cluster 4 Collection System  | 110         | Parcel |             | \$12,056,000 |      | \$12,056,000 |
| 2 Cluster 4 Raw Wastewater Pump Station  | 1           | EA     | \$1,850,000 |              |      | \$1,850,000  |
| 3  |             | LA     | \$1,830,000 | \$1,830,000  | ŞŪ   | \$1,830,000  |
|  |             |        |             |              |      |              |
| 4  |             |        |             |              |      |              |
| 5  |             |        |             |              |      |              |
| 6  |             |        |             |              |      |              |
| 7  |             |        |             |              |      |              |
| 8  |             |        |             |              |      |              |
| 9  |             |        |             |              |      |              |
| 10   |             |        |             |              |      |              |
| 11   |             |        |             |              |      |              |
| SUBTOTAL   |             |        |             |              |      | \$13,906,000 |
| Plant Paving, Grading, and Yard Piping   |             |        |             | 0%           |      | \$0          |
| Mechanical and Piping  |             |        |             | 0%           |      | \$0          |
| Electrical   |             |        |             | 0%           |      | \$0          |
| Instrumentation and Controls   |             |        |             | 0%           |      | \$0          |
| SUBTOTAL   |             |        |             |              |      | \$13,910,000 |
| Tax on Materials   |             |        |             | 0%           |      | \$0          |
| Contractor's Markup on Sub-Contractors' Work   |             |        |             | 0%           |      | \$0          |
| Contractor's Overhead and Profit   |             |        |             | 0%           |      | \$0          |
| Mobilization and Demobilization  |             |        |             | 0%           |      | \$0          |
| Contractor's General Conditions  |             |        |             | 0%           |      | \$0          |
| SUBTOTAL   |             |        |             |              |      | \$13,910,000 |
| Project Phase-Level OPCC Contingency   |             |        |             | 0%           |      | \$0          |
| ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                               |             |        |             |              |      | \$13,910,000 |
| Construction Contingency   |             |        |             | 0%           |      | \$0          |
| Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and | Legal and A | Admin  |             | 0%           |      | \$0          |
| ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                              |             |        |             |              |      | \$13,910,000 |



**OPPC PROVIDED BY:** Niloofar S.

**REVIEWED BY:** CEH

**OPPC PREPARATION DATE: 16-Oct-25** 

798-50-24-05



OWNER: Sonoma Water LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05
Sheet Title: Cluster 5

Element #: 13

|    | DESCRIPTION  | QTY           | UNIT   | UNIT COST   | COST         | COST | TOTAL COST   |
|----|--|---------------|--------|-------------|--------------|------|--------------|
| 1  | Cluster 5 Collection System  | 100           | Parcel |             | \$10,930,000 |      | \$10,930,000 |
| 2  | Cluster 5 Raw Wastewater Pump Station  | 1             | EA     | \$1,850,000 | \$1,850,000  |      | \$1,850,000  |
| 3  | ·  |               |        | . , ,       | . , ,        |      | . , ,        |
| 4  |  |               |        |             |              |      |              |
| 5  |  |               |        |             |              |      |              |
| 6  |  |               |        |             |              |      |              |
| 7  |  |               |        |             |              |      |              |
| 8  |  |               |        |             |              |      |              |
| 9  |  |               |        |             |              |      |              |
| 10 |  |               |        |             |              |      |              |
| 11 |  |               |        |             |              |      |              |
|    | SUBTOTAL   |               |        |             | <u> </u>     |      | \$12,780,000 |
|    | Plant Paving, Grading, and Yard Piping   |               |        |             | 0%           |      | \$0          |
|    | Mechanical and Piping  |               |        |             | 0%           |      | \$0          |
|    | Electrical   |               |        |             | 0%           |      | \$0          |
|    | Instrumentation and Controls   |               |        |             | 0%           |      | \$0          |
|    | SUBTOTAL   |               |        |             |              |      | \$12,780,000 |
|    | Tax on Materials   |               |        |             | 0%           |      | \$0          |
|    | Contractor's Markup on Sub-Contractors' Work   |               |        |             | 0%           |      | \$0          |
|    | Contractor's Overhead and Profit   |               |        |             | 0%           |      | \$0          |
|    | Mobilization and Demobilization  |               |        |             | 0%           |      | \$0          |
|    | Contractor's General Conditions  |               |        |             | 0%           |      | \$0          |
|    | SUBTOTAL   |               |        |             |              |      | \$12,780,000 |
|    | Project Phase-Level OPCC Contingency   |               |        |             |              |      | \$0          |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                               |               |        |             |              |      | \$12,780,000 |
|    | Construction Contingency   |               |        |             | 0%           |      | \$0          |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and | d Legal and A | Admin  |             | 0%           |      | \$0          |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                              |               |        |             |              |      | \$12,780,000 |



**OPPC PROVIDED BY:** Niloofar S.

**REVIEWED BY:** CEH

**OPPC PREPARATION DATE: 16-Oct-25** 

798-50-24-05



OWNER: Sonoma Water LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05
Sheet Title: Cluster 6

ement #: 14

OPPC PROVIDED BY: Niloofar S.
OPPC PREPARATION DATE: 16-Oct-25
REVIEWED BY: CEH

|    | DESCRIPTION  | QTY                  | UNIT   | UNIT COST   | COST         | COST | TOTAL COST   |
|----|--|----------------------|--------|-------------|--------------|------|--------------|
| 1  | Cluster 6 Collection System  | 440                  | Parcel | \$99,900    | \$43,956,000 | \$0  | \$43,956,000 |
| 2  | Cluster 6 Raw Wastewater Pump Station  | 1                    | EA     | \$1,900,000 | \$1,900,000  | \$0  | \$1,900,000  |
| 3  |  |                      |        |             |              |      |              |
| 4  |  |                      |        |             |              |      |              |
| 5  |  |                      |        |             |              |      |              |
| 6  |  |                      |        |             |              |      |              |
| 7  |  |                      |        |             |              |      |              |
| 8  |  |                      |        |             |              |      |              |
| 9  |  |                      |        |             |              |      |              |
| 10 |  |                      |        |             |              |      |              |
| 11 |  |                      |        |             |              |      |              |
|    | SUBTOTAL   |                      |        |             |              |      | \$45,856,000 |
|    | Plant Paving, Grading, and Yard Piping   |                      |        |             | 0%           |      | \$0          |
|    | Mechanical and Piping  |                      |        |             | 0%           |      | \$0          |
|    | Electrical   |                      |        |             | 0%           |      | \$0          |
|    | Instrumentation and Controls   |                      |        |             | 0%           |      | \$0          |
|    | SUBTOTAL   |                      |        |             |              |      | \$45,860,000 |
|    | Tax on Materials   |                      |        |             | 0%           |      | \$0          |
|    | Contractor's Markup on Sub-Contractors' Work   |                      |        |             | 0%           |      | \$0          |
|    | Contractor's Overhead and Profit   |                      |        |             | 0%           |      | \$0          |
|    | Mobilization and Demobilization  |                      |        |             | 0%           |      | \$0          |
|    | Contractor's General Conditions  |                      |        |             | 0%           |      | \$0          |
|    | SUBTOTAL   |                      |        |             |              |      | \$45,860,000 |
|    | Project Phase-Level OPCC Contingency   |                      |        |             |              |      | \$0          |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                               |                      |        |             |              |      | \$45,860,000 |
|    | Construction Contingency   |                      |        |             | 0%           |      | \$0          |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and | d Legal and <i>i</i> | Admin  |             | 0%           |      | \$0          |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                              |                      |        |             |              |      | \$45,860,000 |



LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05 Sheet Title: Cluster 7

ement #: 15

| OPPC PROVIDED BY:      | Niloofar S |
|------------------------|------------|
| OPPC PREPARATION DATE: | 16-Oct-25  |
| REVIEWED RV            | CEH        |

|    | DESCRIPTION  | QTY           | UNIT   | UNIT COST   | COST         | COST | TOTAL COST   |
|----|--|---------------|--------|-------------|--------------|------|--------------|
| 1  | Cluster 7 Collection System  | 450           | Parcel | \$103,100   | \$46,395,000 | \$0  | \$46,395,000 |
| 2  | Cluster 7 Raw Wastewater Pump Station  | 1             | EA     | \$1,900,000 | \$1,900,000  | \$0  | \$1,900,000  |
| 3  |  |               |        |             |              |      |              |
| 4  |  |               |        |             |              |      |              |
| 5  |  |               |        |             |              |      |              |
| 6  |  |               |        |             |              |      |              |
| 7  |  |               |        |             |              |      |              |
| 8  |  |               |        |             |              |      |              |
| 9  |  |               |        |             |              |      |              |
| 10 |  |               |        |             |              |      |              |
| 11 |  |               |        |             |              |      |              |
|    | SUBTOTAL   |               |        |             |              |      | \$48,295,000 |
|    | Plant Paving, Grading, and Yard Piping   |               |        |             | 0%           |      | \$0          |
|    | Mechanical and Piping  |               |        |             | 0%           |      | \$0          |
|    | Electrical   |               |        |             | 0%           |      | \$0          |
|    | Instrumentation and Controls   |               |        |             | 0%           |      | \$0          |
|    | SUBTOTAL   |               |        |             |              |      | \$48,300,000 |
|    | Tax on Materials   |               |        |             | 0%           |      | \$0          |
|    | Contractor's Markup on Sub-Contractors' Work   |               |        |             | 0%           |      | \$0          |
|    | Contractor's Overhead and Profit   |               |        |             | 0%           |      | \$0          |
|    | Mobilization and Demobilization  |               |        |             | 0%           |      | \$0          |
|    | Contractor's General Conditions  |               |        |             | 0%           |      | \$0          |
|    | SUBTOTAL   |               |        |             |              |      | \$48,300,000 |
|    | Project Phase-Level OPCC Contingency   |               |        |             | 0%           |      | \$0          |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                               |               |        |             |              |      | \$48,300,000 |
|    | Construction Contingency   |               |        |             | 0%           |      | \$0          |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and | d Legal and A | Admin  |             | 0%           |      | \$0          |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                              |               |        |             |              |      | \$48,300,000 |



LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05
Sheet Title: Cluster 8

Element #: 16

|    | DESCRIPTION  | QTY           | UNIT   | UNIT COST   | COST         | COST | TOTAL COST   |
|----|--|---------------|--------|-------------|--------------|------|--------------|
| 1  | Cluster 8 Collection System  | 170           | Parcel | \$106,000   | \$18,020,000 | \$0  | \$18,020,000 |
| 2  | Cluster 8 Raw Wastewater Pump Station  | 1             | EA     | \$1,720,000 | \$1,720,000  | \$0  | \$1,720,000  |
| 3  |  |               |        |             |              |      |              |
| 4  |  |               |        |             |              |      |              |
| 5  |  |               |        |             |              |      |              |
| 6  |  |               |        |             |              |      |              |
| 7  |  |               |        |             |              |      |              |
| 8  |  |               |        |             |              |      |              |
| 9  |  |               |        |             |              |      |              |
| 10 |  |               |        |             |              |      |              |
| 11 |  |               |        |             |              |      |              |
|    | SUBTOTAL   |               |        |             |              |      | \$19,740,000 |
|    | Plant Paving, Grading, and Yard Piping   |               |        |             | 0%           |      | \$0          |
|    | Mechanical and Piping  |               |        |             | 0%           |      | \$0          |
|    | Electrical   |               |        |             | 0%           |      | \$0          |
|    | Instrumentation and Controls   |               |        |             | 0%           |      | \$0          |
|    | SUBTOTAL   |               |        |             |              |      | \$19,740,000 |
|    | Tax on Materials   |               |        |             | 0%           |      | \$0          |
|    | Contractor's Markup on Sub-Contractors' Work   |               |        |             | 0%           |      | \$0          |
|    | Contractor's Overhead and Profit   |               |        |             | 0%           |      | \$0          |
|    | Mobilization and Demobilization  |               |        |             | 0%           |      | \$0          |
|    | Contractor's General Conditions  |               |        |             | 0%           |      | \$0          |
|    | SUBTOTAL   |               |        |             |              |      | \$19,740,000 |
|    | Project Phase-Level OPCC Contingency   |               |        |             |              |      | \$0          |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                               |               |        |             |              |      | \$19,740,000 |
|    | Construction Contingency   |               |        |             | 0%           |      | \$0          |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and | d Legal and A | Admin  |             | 0%           |      | \$0          |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                              |               |        |             |              |      | \$19,740,000 |



**OPPC PROVIDED BY:** Niloofar S.

**REVIEWED BY:** CEH



LOCATION: Sonoma County, CA

|             | WYA Project #: | 798-50-24-05 | <b>OPPC PROVIDED BY:</b> Niloofar S.     |
|-------------|----------------|--------------|--|
| <b>YOST</b> | Sheet Title:   | Cluster 9    | <b>OPPC PREPARATION DATE: </b> 16-Oct-25 |
| neered.     | Element #:     | 17           | REVIEWED BY: CEH                         |
|             |                |              |  |

|    | DESCRIPTION  | QTY           | UNIT   | UNIT COST   | COST         | COST | TOTAL COST   |
|----|--|---------------|--------|-------------|--------------|------|--------------|
| 1  | Cluster 9 Collection System  | 140           | Parcel | \$105,800   | \$14,812,000 | \$0  | \$14,812,000 |
| 2  | Cluster 9 Raw Wastewater Pump Station  | 1             | EA     | \$1,720,000 | \$1,720,000  | \$0  | \$1,720,000  |
| 3  |  |               |        |             |              |      |              |
| 4  |  |               |        |             |              |      |              |
| 5  |  |               |        |             |              |      |              |
| 6  |  |               |        |             |              |      |              |
| 7  |  |               |        |             |              |      |              |
| 8  |  |               |        |             |              |      |              |
| 9  |  |               |        |             |              |      |              |
| 10 |  |               |        |             |              |      |              |
| 11 |  |               |        |             |              |      |              |
|    | SUBTOTAL   |               |        |             |              |      |              |
|    | Plant Paving, Grading, and Yard Piping   |               |        |             | 0%           |      | \$0          |
|    | Mechanical and Piping  |               |        |             | 0%           |      | \$0          |
|    | Electrical   |               |        |             | 0%           |      | \$0          |
|    | Instrumentation and Controls   |               |        |             | 0%           |      | \$0          |
|    | SUBTOTAL   |               |        |             |              |      | \$16,530,000 |
|    | Tax on Materials   |               |        |             | 0%           |      | \$0          |
|    | Contractor's Markup on Sub-Contractors' Work   |               |        |             | 0%           |      | \$0          |
|    | Contractor's Overhead and Profit   |               |        |             | 0%           |      | \$0          |
|    | Mobilization and Demobilization  |               |        |             | 0%           |      | \$0          |
|    | Contractor's General Conditions  |               |        |             | 0%           |      | \$0          |
|    | SUBTOTAL   |               |        |             |              |      | \$16,530,000 |
|    | Project Phase-Level OPCC Contingency   |               |        |             |              |      | \$0          |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                               |               |        |             |              |      | \$16,530,000 |
|    | Construction Contingency   |               |        |             | 0%           |      | \$0          |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and | d Legal and A | Admin  |             | 0%           |      | \$0          |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                              |               |        |             |              |      | \$16,530,000 |





OWNER: Sonoma Water
LOCATION: Sonoma County, CA
WYA Project #: 798-50-24-05

eet Title: Cluster 10

lement #: 18

|    | DESCRIPTION  | QTY           | UNIT   | UNIT COST   | COST        | COST | TOTAL COST  |
|----|--|---------------|--------|-------------|-------------|------|-------------|
| 1  | Cluster 10 Collection System   | 70            | Parcel | \$105,800   | \$7,406,000 | \$0  | \$7,406,000 |
| 2  | Cluster 10 Raw Wastewater Pump Station   | 1             | EA     | \$1,840,000 |             |      | \$1,840,000 |
| 3  | ·  |               |        |             | , , ,       | ·    | , , ,       |
| 4  |  |               |        |             |             |      |             |
| 5  |  |               |        |             |             |      |             |
| 6  |  |               |        |             |             |      |             |
| 7  |  |               |        |             |             |      |             |
| 8  |  |               |        |             |             |      |             |
| 9  |  |               |        |             |             |      |             |
| 10 |  |               |        |             |             |      |             |
| 11 |  |               |        |             |             |      |             |
|    | SUBTOTAL   |               |        | \$9,246,000 |             |      |             |
|    | Plant Paving, Grading, and Yard Piping   |               |        |             | 0%          |      | \$0         |
|    | Mechanical and Piping  |               |        |             | 0%          |      | \$0         |
|    | Electrical   |               |        |             | 0%          |      | \$0         |
|    | Instrumentation and Controls   |               |        |             | 0%          |      | \$0         |
|    | SUBTOTAL   |               |        |             |             |      | \$9,250,000 |
|    | Tax on Materials   |               |        |             | 0%          |      | \$0         |
|    | Contractor's Markup on Sub-Contractors' Work   |               |        |             | 0%          |      | \$0         |
|    | Contractor's Overhead and Profit   |               |        |             | 0%          |      | \$0         |
|    | Mobilization and Demobilization  |               |        |             | 0%          |      | \$0         |
|    | Contractor's General Conditions  |               |        |             | 0%          |      | \$0         |
|    | SUBTOTAL   |               |        |             |             |      | \$9,250,000 |
|    | Project Phase-Level OPCC Contingency   | 0%            |        | \$0         |             |      |             |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                               |               |        |             |             |      | \$9,250,000 |
|    | Construction Contingency   | 0%            |        | \$0         |             |      |             |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and | d Legal and A | Admin  |             | 0%          |      | \$0         |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                              |               |        |             |             |      | \$9,250,000 |

**OPPC PROVIDED BY:** Niloofar S.

**REVIEWED BY:** CEH



LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05
Sheet Title: Cluster 11

Element #: 19

OPPC PROVIDED BY: Niloofar S.
OPPC PREPARATION DATE: 16-Oct-25
REVIEWED BY: CEH

|    | DESCRIPTION  | QTY | UNIT   | UNIT COST   | COST         | COST | TOTAL COST          |  |
|----|--|-----|--------|-------------|--------------|------|---------------------|--|
| 1  | Cluster 11 Collection System   | 370 | Parcel | \$101,800   | \$37,666,000 | \$0  | \$37,666,000        |  |
| 2  | Cluster 11 Raw Wastewater Pump Station   | 1   | EA     | \$1,930,000 | \$1,930,000  | \$0  | \$1,930,000         |  |
| 3  | OCSD piping/pumping upsize   | 1   | LS     | \$2,000,000 | \$2,000,000  | \$0  | \$2,000,000         |  |
| 4  |  |     |        |             |              |      |                     |  |
| 5  |  |     |        |             |              |      |                     |  |
| 6  |  |     |        |             |              |      |                     |  |
| 7  |  |     |        |             |              |      |                     |  |
| 8  |  |     |        |             |              |      |                     |  |
| 9  |  |     |        |             |              |      |                     |  |
| 10 |  |     |        |             |              |      |                     |  |
| 11 |  |     |        |             |              |      |                     |  |
|    | SUBTOTAL   |     |        |             |              |      |                     |  |
|    | Plant Paving, Grading, and Yard Piping   |     |        |             | 0%           |      | \$41,596,000<br>\$0 |  |
|    | Mechanical and Piping  |     |        |             | 0%           |      | \$0                 |  |
|    | Electrical   |     |        |             | 0%           |      | \$0                 |  |
|    | Instrumentation and Controls   |     |        |             | 0%           |      | \$0                 |  |
|    | SUBTOTAL   |     |        |             |              |      | \$41,600,000        |  |
|    | Tax on Materials   |     |        |             | 0%           |      | \$0                 |  |
|    | Contractor's Markup on Sub-Contractors' Work   |     |        |             | 0%           |      | \$0                 |  |
|    | Contractor's Overhead and Profit   |     |        |             | 0%           |      | \$0                 |  |
|    | Mobilization and Demobilization  |     |        |             | 0%           |      | \$0                 |  |
|    | Contractor's General Conditions  |     |        |             | 0%           |      | \$0                 |  |
|    | SUBTOTAL   |     |        |             |              |      | \$41,600,000        |  |
|    | Project Phase-Level OPCC Contingency   |     |        |             | 0%           |      | \$0                 |  |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST   |     |        |             |              |      | \$41,600,000        |  |
|    | Construction Contingency   |     |        |             |              |      | \$0                 |  |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and Legal and Admin |     |        |             |              |      | \$0                 |  |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST  |     |        |             |              |      | \$41,600,000        |  |



OWNER: Sonoma Water LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05
Sheet Title: Cluster 12

Element #: 20

|    | DESCRIPTION  | QTY           | UNIT   | UNIT COST    | COST         | COST | TOTAL COST   |  |
|----|--|---------------|--------|--------------|--------------|------|--------------|--|
| 1  | Cluster 12 Collection System   | 781           | Parcel | \$111,667    | \$87,211,667 | \$0  | \$87,212,000 |  |
| 2  |  |               |        |              |              |      |              |  |
| 3  |  |               |        |              |              |      |              |  |
| 4  |  |               |        |              |              |      |              |  |
| 5  |  |               |        |              |              |      |              |  |
| 6  |  |               |        |              |              |      |              |  |
| 7  |  |               |        |              |              |      |              |  |
| 8  |  |               |        |              |              |      |              |  |
| 9  |  |               |        |              |              |      |              |  |
| 10 |  |               |        |              |              |      |              |  |
| 11 |  |               |        |              |              |      |              |  |
|    | SUBTOTAL   |               |        | \$87,212,000 |              |      |              |  |
|    | Plant Paving, Grading, and Yard Piping   |               |        |              | 0%           |      | \$0          |  |
|    | Mechanical and Piping  |               |        |              | 0%           |      |              |  |
|    | Electrical   |               |        |              | 0%           | 0%   |              |  |
|    | Instrumentation and Controls   |               |        |              | 0%           |      | \$0          |  |
|    | SUBTOTAL   |               |        |              |              |      | \$87,210,000 |  |
|    | Tax on Materials   |               |        |              | 0%           |      | \$0          |  |
|    | Contractor's Markup on Sub-Contractors' Work   |               |        |              | 0%           |      | \$0          |  |
|    | Contractor's Overhead and Profit   |               |        |              | 0%           |      | \$0          |  |
|    | Mobilization and Demobilization  |               |        |              | 0%           |      | \$0          |  |
|    | Contractor's General Conditions  |               |        |              | 0%           |      | \$0          |  |
|    | SUBTOTAL   |               |        |              |              |      | \$87,210,000 |  |
|    | Project Phase-Level OPCC Contingency   | _             | _      | _            | 0%           |      | \$0          |  |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                               |               |        |              | \$87,210,000 |      |              |  |
|    | Construction Contingency   | 0%            |        | \$0          |              |      |              |  |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and | d Legal and A | Admin  |              | 0%           |      |              |  |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                              |               |        |              |              |      | \$87,210,000 |  |



**OPPC PROVIDED BY:** Niloofar S.

**REVIEWED BY:** CEH



OWNER: Sonoma Water
LOCATION: Sonoma County, CA
WYA Project #: 798-50-24-05

WYA Project #: 798-50-24-05
OPCC Manager: Niloofar S.
Reviewer: CEH

**Description of Work:** Cost Estimating

Type of Estimate: Class 5

Date of This Estimate: 16-Oct-25

| ELEMENT# | DESCRIPTION  | UNIT COST     | UNITS         | ANTICIPATED COST                       |
|----------|--|---------------|---------------|--|
| 1        | Equalization Facilities at FWD WWTP  | \$3,400,000   | 1             | \$3,400,000                            |
| 2        | Headwork Improvement at GCSD WWTP  | \$900,000     | 1             | \$900,000                              |
| 3        | Equalization Facilities at GCSD WWTP   | \$200,000     | 1             | \$200,000                              |
| 4        | Equalization Facilities at RRCSD WWTP  | \$300,000     | 1             | \$300,000                              |
| 5        | Conveyance Pipelines   | \$171,600,000 | 1             | \$171,600,000                          |
| 6        | Conveyance Pump Stations   | \$10,300,000  | 1             | \$10,300,000                           |
| 7        | Connection Fee to Santa Rosa   | \$122,600,000 | 1             | \$122,600,000                          |
| 8        | Cluster 1 Sewer Service Connection   | \$7,500,000   | 1             | \$7,500,000                            |
| 9        | Cluster 2 Sewer Service Connection   | \$7,900,000   | 1             | \$7,900,000                            |
| 10       | Cluster 3 Sewer Service Connection   | \$21,100,000  | 1             | \$21,100,000                           |
| 11       | Cluster 4 Sewer Service Connection   | \$13,900,000  | 1             | \$13,900,000                           |
| 12       | Cluster 5 Sewer Service Connection   | \$12,800,000  | 1             | \$12,800,000                           |
| 13       | Cluster 6 Sewer Service Connection   | \$45,900,000  | 1             | \$45,900,000                           |
| 14       | Cluster 7 Sewer Service Connection   | \$48,300,000  | 1             | \$48,300,000                           |
| 15       | Cluster 8 Sewer Service Connection   | \$19,700,000  | 1             | \$19,700,000                           |
| 16       | Cluster 9 Sewer Service Connection   | \$16,500,000  | 1             | \$16,500,000                           |
| 17       | Cluster 10 Sewer Service Connection  | \$9,300,000   | 1             | \$9,300,000                            |
| 18       | Cluster 11 Sewer Service Connection  | \$41,600,000  | 1             | \$41,600,000                           |
| 19       | Cluster 12 Sewer Service Connection  | \$87,200,000  | 1             | \$87,200,000                           |
|          | -  |               | 1             |  |
|          |  |               |               |  |
|          |  |               |               |  |
|          |  |               |               |  |
|          | ENGINEER'S PRELIMINARY OPINION OF PROBABLE PROJECT COST  |               | \$641,000,000 |  |
|          | Construction Contingency  Engineering Design Environmental Planning and Studies Construction                     | 0%            |               | \$(                                    |
|          | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and Legal and Admin Costs | 25%           |               | \$120 600 00                           |
|          | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL CO.   |               |               | \$129,600,000<br><b>\$770,600,00</b> 0 |





LOCATION: Sonoma County, CA WYA Project #: 798-50-24-05

Sheet Title: FWD EQ Facilities

nent #: 1 REVIEWED BY: CEH

|    | DESCRIPTION  | QTY           | UNIT  | UNIT COST   | COST        | COST        | TOTAL COST  |  |
|----|--|---------------|-------|-------------|-------------|-------------|-------------|--|
| 1  | Flow Control Structure   | 1             | EA    | \$98,000    | \$98,000    | \$0         | \$98,000    |  |
| 2  | 6" Pipeline  | 210           | LF    | \$180       | \$37,800    | \$0         | \$38,000    |  |
| 3  | 8" Pipeline  | 480           | LF    | \$240       | \$115,200   | \$0         | \$115,000   |  |
| 4  | FWD Ponds Drain Pump   | 1             | EA    | \$1,750,000 | \$1,750,000 | \$1,750,000 |             |  |
| 5  | ·  |               |       | . , ,       | , , ,       | ·           |             |  |
| 6  |  |               |       |             |             |             |             |  |
| 7  |  |               |       |             |             |             |             |  |
| 8  |  |               |       |             |             |             |             |  |
| 9  |  |               |       |             |             |             |             |  |
| 10 |  |               |       |             |             |             |             |  |
|    |  |               |       |             |             |             |             |  |
|    | SUBTOTAL \$  |               |       |             |             |             |             |  |
|    | Plant Paving, Grading, and Yard Piping   |               |       |             | 0%          |             | \$0         |  |
|    | Mechanical and Piping  |               |       |             | 0%          |             | \$0         |  |
|    | Electrical   |               |       |             | 0%          |             | \$0         |  |
|    | Instrumentation and Controls   |               |       |             | 0%          |             | \$0         |  |
|    | SUBTOTAL   |               |       |             |             |             | \$2,000,000 |  |
|    | Tax on Materials   |               |       |             | 0%          |             | \$0         |  |
|    | Contractor's Markup on Sub-Contractors' Work   |               |       |             | 10%         |             | \$0         |  |
|    | Contractor's Overhead and Profit   |               |       |             | 15%         |             | \$300,000   |  |
|    | Mobilization and Demobilization  |               |       |             | 5%          |             | \$100,000   |  |
|    | Contractor's General Conditions  |               |       |             | 10%         |             | \$200,000   |  |
|    | SUBTOTAL   |               |       |             |             |             | \$2,600,000 |  |
|    | Project Phase-Level OPCC Contingency   |               |       |             |             |             | \$780,000   |  |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                               |               |       |             |             |             | \$3,380,000 |  |
|    | Construction Contingency 0%  |               |       |             |             |             |             |  |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and | d Legal and A | Admin |             | 25%         |             | \$845,000   |  |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                              |               |       |             |             |             | \$4,230,000 |  |



**OPPC PROVIDED BY:** Niloofar S.

**OPPC PREPARATION DATE: 16-Oct-25** 

798-50-24-05



LOCATION: Sonoma County, CA WYA Project #: 798-50-24-05

heet Title: GCSD Headworks

nent #: 2

OPPC PROVIDED BY: Niloofar S.
OPPC PREPARATION DATE: 16-Oct-25
REVIEWED BY: CEH

|    | DESCRIPTION  | QTY | UNIT | UNIT COST | COST      | COST      | TOTAL COST  |  |  |
|----|--|-----|------|-----------|-----------|-----------|-------------|--|--|
| 1  | ROTAMAT Micro Strainer Ro9   | 1   | LS   | \$157,000 | \$157,000 | \$157,000 | \$314,000   |  |  |
| 2  | Bin  | 1   | LS   | \$50,000  | \$50,000  | \$0       | \$50,000    |  |  |
| 3  |  |     |      |           |           |           |             |  |  |
| 4  |  |     |      |           |           |           |             |  |  |
| 5  |  |     |      |           |           |           |             |  |  |
| 6  |  |     |      |           |           |           |             |  |  |
| 7  |  |     |      |           |           |           |             |  |  |
| 8  |  |     |      |           |           |           |             |  |  |
| 9  |  |     |      |           |           |           |             |  |  |
| 10 |  |     |      |           |           |           |             |  |  |
|    |  |     |      |           |           |           |             |  |  |
|    | SUBTOTAL \$  |     |      |           |           |           |             |  |  |
|    | Plant Paving, Grading, and Yard Piping   |     | 0%   |           | \$0       |           |             |  |  |
|    | Mechanical and Piping  |     |      |           | 5%        |           | \$18,000    |  |  |
|    | Electrical   |     |      |           | 25%       |           | \$91,000    |  |  |
|    | Instrumentation and Controls   |     |      |           | 15%       |           | \$55,000    |  |  |
|    | SUBTOTAL   |     |      |           |           |           | \$530,000   |  |  |
|    | Tax on Materials   |     |      |           | 9.3%      |           | \$19,000    |  |  |
|    | Contractor's Markup on Sub-Contractors' Work   |     |      |           | 10%       |           | \$15,000    |  |  |
|    | Contractor's Overhead and Profit   |     |      |           | 15%       |           | \$80,000    |  |  |
|    | Mobilization and Demobilization  |     |      |           | 5%        |           | \$27,000    |  |  |
|    | Contractor's General Conditions  |     |      |           | 10%       |           | \$53,000    |  |  |
|    | SUBTOTAL   |     |      |           |           |           | \$720,000   |  |  |
|    | Project Phase-Level OPCC Contingency   |     |      |           |           |           | \$216,000   |  |  |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST   |     |      |           |           |           | \$940,000   |  |  |
|    | Construction Contingency 0%  |     |      |           |           |           | \$0         |  |  |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and Legal and Admin 25% |     |      |           |           |           | \$235,000   |  |  |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST  |     |      |           |           |           | \$1,180,000 |  |  |



LOCATION: Sonoma County, CA
WYA Project #: 798-50-24-05

heet Title: GCSD EQ Facilities

ment #: 3

| DESCRIPTION  | QTY                         | UNIT | UNIT COST | COST     | COST | TOTAL COST |  |
|--|-----------------------------|------|-----------|----------|------|------------|--|
| 1 Flow Control Structure   | 1                           | EA   | \$98,000  | \$98,000 | \$0  | \$98,000   |  |
| 2 8" Pipeline  | 30                          | LF   | \$240     | \$7,200  | \$0  | \$7,000    |  |
| 3  |                             |      |           |          |      |            |  |
| 4  |                             |      |           |          |      |            |  |
| 5  |                             |      |           |          |      |            |  |
| 6  |                             |      |           |          |      |            |  |
| 7  |                             |      |           |          |      |            |  |
| 8  |                             |      |           |          |      |            |  |
| 9  |                             |      |           |          |      |            |  |
| 10   |                             |      |           |          |      |            |  |
|  |                             |      |           |          |      |            |  |
| SUBTOTAL   |                             |      |           |          |      |            |  |
| Plant Paving, Grading, and Yard Piping   |                             |      |           | 0%       |      | \$0        |  |
| Mechanical and Piping  |                             |      |           | 0%       |      | \$0        |  |
| Electrical   |                             |      |           | 0%       |      | \$0        |  |
| Instrumentation and Controls   |                             |      |           | 0%       |      | \$0        |  |
| SUBTOTAL   |                             |      |           |          |      | \$110,000  |  |
| Tax on Materials   |                             |      |           | 0%       |      | \$0        |  |
| Contractor's Markup on Sub-Contractors' Work   |                             |      |           | 10%      |      | \$0        |  |
| Contractor's Overhead and Profit   |                             |      |           | 15%      |      | \$17,000   |  |
| Mobilization and Demobilization  |                             |      |           | 5%       |      | \$6,000    |  |
| Contractor's General Conditions  |                             |      |           | 10%      |      | \$11,000   |  |
| SUBTOTAL   |                             |      |           |          |      | \$140,000  |  |
| Project Phase-Level OPCC Contingency   |                             |      |           | 30%      |      | \$42,000   |  |
| ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                               |                             |      |           |          |      | \$180,000  |  |
| Construction Contingency   | Construction Contingency 0% |      |           |          |      |            |  |
| Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and | d Legal and A               | dmin |           | 25%      |      | \$45,000   |  |
| ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                              |                             |      |           |          |      | \$230,000  |  |

**OPPC PROVIDED BY:** Niloofar S.

**REVIEWED BY:** CEH

**OPPC PREPARATION DATE: 16-Oct-25** 

798-50-24-05



PROJECT: West County - Alternative 2b
OWNER: Sonoma Water
LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05

neet Title: RRCSD EQ Facilities

nent #: 4

**OPPC PROVIDED BY:** Niloofar S. **OPPC PREPARATION DATE:** 16-Oct-25

**REVIEWED BY:** CEH

|    | DESCRIPTION  | QTY           | UNIT | UNIT COST | COST     | COST | TOTAL COST |  |
|----|--|---------------|------|-----------|----------|------|------------|--|
| 1  | Flow Control Structure   | 1             | EA   | \$98,000  | \$98,000 | \$0  | \$98,000   |  |
| 2  | 16" Pipeline   | 190           | LF   | \$480     | \$91,200 | \$0  | \$91,000   |  |
| 3  |  |               |      |           |          |      |            |  |
| 4  |  |               |      |           |          |      |            |  |
| 5  |  |               |      |           |          |      |            |  |
| 6  |  |               |      |           |          |      |            |  |
| 7  |  |               |      |           |          |      |            |  |
| 8  |  |               |      |           |          |      |            |  |
| 9  |  |               |      |           |          |      |            |  |
| 10 |  |               |      |           |          |      |            |  |
|    |  |               |      |           |          |      |            |  |
|    | SUBTOTAL   |               |      |           |          |      |            |  |
|    | Plant Paving, Grading, and Yard Piping   |               |      |           | 0%       |      | \$0        |  |
|    | Mechanical and Piping  |               |      |           | 0%       |      | \$0        |  |
|    | Electrical   |               |      |           | 0%       |      | \$0        |  |
|    | Instrumentation and Controls   |               |      |           | 0%       |      | \$0        |  |
|    | SUBTOTAL   |               |      |           |          |      | \$190,000  |  |
|    | Tax on Materials   |               |      |           | 0%       |      | \$0        |  |
|    | Contractor's Markup on Sub-Contractors' Work   |               |      |           | 10%      |      | \$0        |  |
|    | Contractor's Overhead and Profit   |               |      |           | 15%      |      | \$29,000   |  |
|    | Mobilization and Demobilization  |               |      |           | 5%       |      | \$10,000   |  |
|    | Contractor's General Conditions  |               |      |           | 10%      |      | \$19,000   |  |
|    | SUBTOTAL   |               |      |           |          |      | \$250,000  |  |
|    | Project Phase-Level OPCC Contingency   |               | 30%  |           | \$75,000 |      |            |  |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                               |               |      |           |          |      |            |  |
|    | Construction Contingency   |               | 0%   |           | \$0      |      |            |  |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and | d Legal and A | dmin |           | 25%      |      | \$83,000   |  |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                              |               |      |           |          |      | \$410,000  |  |



OWNER: Sonoma Water LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05

heet Title: Conveyance Pipelines

ent #: 5

| DESCRIPTION  | QTY           | UNIT | UNIT COST   | COST         | COST | TOTAL COST   |  |
|--|---------------|------|-------------|--------------|------|--------------|--|
| 1 Creek Crossing   | 4             | EA   | \$3,800,000 | \$15,200,000 | \$0  | \$15,200,000 |  |
| 2 4" Pipeline  | 5,940         | LF   | \$120       | \$712,800    | \$0  | \$713,000    |  |
| 3 6" Pipeline  | 560           | LF   | \$180       | \$100,800    | \$0  | \$101,000    |  |
| 4 8" Pipeline  | 10,590        | LF   | \$240       | \$2,541,600  | \$0  | \$2,542,000  |  |
| 5 16" Pipeline   | 5,370         | LF   | \$480       | \$2,577,600  | \$0  |              |  |
| 6 24" Pipeline   | 70,360        | LF   | \$720       | \$50,659,200 | \$0  | \$50,659,000 |  |
| 7 30" Pipeline   | 33,070        | LF   | \$900       | \$29,763,000 |      | \$29,763,000 |  |
| 8  |               |      |             |              |      | , , ,        |  |
| 9  |               |      |             |              |      |              |  |
| 10   |               |      |             |              |      |              |  |
|  |               |      |             |              |      |              |  |
| SUBTOTAL ###   |               |      |             |              |      |              |  |
| Plant Paving, Grading, and Yard Piping   |               |      |             | 0%           |      | \$0          |  |
| Mechanical and Piping  |               |      |             | 0%           | 0%   |              |  |
| Electrical   |               |      |             | 0%           |      | \$0          |  |
| Instrumentation and Controls   |               |      |             | 0%           |      | \$0          |  |
| SUBTOTAL   |               |      |             |              |      | #########    |  |
| Tax on Materials   |               |      |             | 0%           |      | \$0          |  |
| Contractor's Markup on Sub-Contractors' Work   |               |      |             | 10%          |      | \$0          |  |
| Contractor's Overhead and Profit   |               |      |             | 15%          |      | \$15,234,000 |  |
| Mobilization and Demobilization  |               |      |             | 5%           |      | \$5,078,000  |  |
| Contractor's General Conditions  |               |      |             | 10%          |      | \$10,156,000 |  |
| SUBTOTAL   |               |      |             |              |      | #########    |  |
| Project Phase-Level OPCC Contingency 30%   |               |      |             |              |      | \$39,609,000 |  |
| ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                               |               |      |             |              |      | ##########   |  |
| Construction Contingency   |               |      |             | 0%           |      | \$0          |  |
| Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and | d Legal and A | dmin |             | 25%          |      | \$42,910,000 |  |
| ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                              |               |      |             |              |      | ##########   |  |

**OPPC PROVIDED BY:** Niloofar S.

**REVIEWED BY: CEH** 



OWNER: Sonoma Water LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05

Sheet Title: Conveyance PS

ement #: 6 REVIEWED BY: CEH

|    | DESCRIPTION  | QTY           | UNIT | UNIT COST   | COST        | COST | TOTAL COST   |  |
|----|--|---------------|------|-------------|-------------|------|--------------|--|
| 1  | RRCSD Raw Wastewater Pump Station  | 1             | EA   | \$2,900,000 | \$2,900,000 | \$0  | \$2,900,000  |  |
| 2  | FWD Raw Wastewater Pump Station  | 1             | EA   | \$3,160,000 | \$3,160,000 | \$0  | \$3,160,000  |  |
| 3  | GCSD Raw Wastewater Pump Station   | 1             | EA   | \$1,860,000 | \$1,860,000 | \$0  | \$1,860,000  |  |
| 4  |  |               |      |             |             |      |              |  |
| 5  |  |               |      |             |             |      |              |  |
| 6  |  |               |      |             |             |      |              |  |
| 7  |  |               |      |             |             |      |              |  |
| 8  |  |               |      |             |             |      |              |  |
| 9  |  |               |      |             |             |      |              |  |
| 10 |  |               |      |             |             |      |              |  |
|    |  |               |      |             |             |      |              |  |
|    | SUBTOTAL \$7,920,  |               |      |             |             |      |              |  |
|    | Plant Paving, Grading, and Yard Piping   |               |      |             | 0%          |      | \$0          |  |
|    | Mechanical and Piping  |               |      |             | 0%          |      | \$0          |  |
|    | Electrical   |               |      |             | 0%          |      | \$0          |  |
|    | Instrumentation and Controls   |               |      |             | 0%          |      | \$0          |  |
|    | SUBTOTAL   |               |      |             |             |      | \$7,920,000  |  |
|    | Tax on Materials   |               |      |             | 0%          |      | \$0          |  |
|    | Contractor's Markup on Sub-Contractors' Work   |               |      |             | 0%          |      | \$0          |  |
|    | Contractor's Overhead and Profit   |               |      |             | 0%          |      | \$0          |  |
|    | Mobilization and Demobilization  |               |      |             | 0%          |      | \$0          |  |
|    | Contractor's General Conditions  |               |      |             | 0%          |      | \$0          |  |
|    | SUBTOTAL   |               |      |             |             |      | \$7,920,000  |  |
|    | Project Phase-Level OPCC Contingency   |               | 30%  |             | \$2,376,000 |      |              |  |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                               |               |      |             |             |      | \$10,300,000 |  |
|    | Construction Contingency   |               | 0%   |             | \$0         |      |              |  |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and | l Legal and A | dmin |             | 25%         |      | \$2,575,000  |  |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                              |               |      |             |             |      | \$12,880,000 |  |

**OPPC PROVIDED BY:** Niloofar S.



OWNER: Sonoma Water LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05
Sheet Title: Connection fee

lement #: 7

**OPPC PROVIDED BY:** Niloofar S.

**OPPC PREPARATION DATE:** 16-Oct-25

**REVIEWED BY:** CEH

|    | DESCRIPTION  | QTY         | UNIT | UNIT COST   | COST         | COST | TOTAL COST   |  |  |  |
|----|--|-------------|------|-------------|--------------|------|--------------|--|--|--|
| 1  | Connection fee to Santa Rosa   | 1           | LS   | ########### | ############ | \$0  | ############ |  |  |  |
| 2  | Recycled Water Storage   | 1           | LS   | \$5,000,000 | \$5,000,000  | \$0  | \$5,000,000  |  |  |  |
| 3  |  |             |      |             |              |      |              |  |  |  |
| 4  |  |             |      |             |              |      |              |  |  |  |
| 5  |  |             |      |             |              |      |              |  |  |  |
| 6  |  |             |      |             |              |      |              |  |  |  |
| 7  |  |             |      |             |              |      |              |  |  |  |
| 8  |  |             |      |             |              |      |              |  |  |  |
| 9  |  |             |      |             |              |      |              |  |  |  |
| 10 |  |             |      |             |              |      |              |  |  |  |
|    |  |             |      |             |              |      |              |  |  |  |
|    | SUBTOTAL   |             |      | ########### |              |      |              |  |  |  |
|    | Plant Paving, Grading, and Yard Piping   |             |      |             | 0%           |      | \$0          |  |  |  |
|    | Mechanical and Piping  |             |      |             | 0%           |      | \$0          |  |  |  |
|    | Electrical   |             |      |             | 0%           |      | \$0          |  |  |  |
|    | Instrumentation and Controls   |             |      |             | 0%           |      | \$0          |  |  |  |
|    | SUBTOTAL   |             |      |             |              |      | ###########  |  |  |  |
|    | Tax on Materials   |             |      |             | 0%           |      | \$0          |  |  |  |
|    | Contractor's Markup on Sub-Contractors' Work   |             |      |             | 0%           |      | \$0          |  |  |  |
|    | Contractor's Overhead and Profit   |             |      |             | 0%           |      | \$0          |  |  |  |
|    | Mobilization and Demobilization  |             |      |             | 0%           |      | \$0          |  |  |  |
|    | Contractor's General Conditions  |             |      |             | 0%           |      | \$0          |  |  |  |
|    | SUBTOTAL   |             |      |             |              |      | ############ |  |  |  |
|    | Project Phase-Level OPCC Contingency   |             | 0%   |             | \$0          |      |              |  |  |  |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                               |             |      |             |              |      | ###########  |  |  |  |
|    | Construction Contingency   |             |      |             | 0%           |      | \$0          |  |  |  |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and | Legal and A | dmin |             | 0%           |      | \$0          |  |  |  |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                              |             |      |             |              |      | ############ |  |  |  |



LOCATION: Sonoma County, CA

/YA Project #: 798-50-24-05
heet Title: Cluster 1

Element #: 8

|    | DESCRIPTION  | QTY           | UNIT   | UNIT COST   | COST        | COST | TOTAL COST  |
|----|--|---------------|--------|-------------|-------------|------|-------------|
| 1  | Cluster 1 Collection System  | 50            | Parcel | \$112,200   | \$5,610,000 | \$0  | \$5,610,000 |
| 2  | Cluster 1 Raw Wastewater Pump Station  | 1             | EA     | \$1,840,000 | \$1,840,000 | \$0  | \$1,840,000 |
| 3  |  |               |        |             |             |      |             |
| 4  |  |               |        |             |             |      |             |
| 5  |  |               |        |             |             |      |             |
| 6  |  |               |        |             |             |      |             |
| 7  |  |               |        |             |             |      |             |
| 8  |  |               |        |             |             |      |             |
| 9  |  |               |        |             |             |      |             |
| 10 |  |               |        |             |             |      |             |
| 11 |  |               |        |             |             |      |             |
|    | SUBTOTAL   |               |        | \$7,450,000 |             |      |             |
|    | Plant Paving, Grading, and Yard Piping   |               |        |             | 0%          |      | \$0         |
|    | Mechanical and Piping  |               |        |             | 0%          |      | \$0         |
|    | Electrical   |               |        |             | 0%          |      | \$0         |
|    | Instrumentation and Controls   |               |        |             | 0%          |      | \$0         |
|    | SUBTOTAL   |               |        |             |             |      | \$7,450,000 |
|    | Tax on Materials   |               |        |             | 0%          |      | \$0         |
|    | Contractor's Markup on Sub-Contractors' Work   |               |        |             | 0%          |      | \$0         |
|    | Contractor's Overhead and Profit   |               |        |             | 0%          |      | \$0         |
|    | Mobilization and Demobilization  |               |        |             | 0%          |      | \$0         |
|    | Contractor's General Conditions  |               |        |             | 0%          |      | \$0         |
|    | SUBTOTAL   |               |        |             |             |      | \$7,450,000 |
|    | Project Phase-Level OPCC Contingency   |               | 0%     |             | \$0         |      |             |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                               |               |        |             |             |      | \$7,450,000 |
|    | Construction Contingency   |               | 0%     |             | \$0         |      |             |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and | d Legal and A | Admin  |             | 0%          |      | \$0         |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                              |               |        |             |             |      | \$7,450,000 |



**OPPC PROVIDED BY:** Niloofar S.

**REVIEWED BY:** CEH

**OPPC PREPARATION DATE: 16-Oct-25** 

798-50-24-05



LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05
Sheet Title: Cluster 2

Element #: 9

|  | DESCRIPTION   | QTY | UNIT   | UNIT COST   | COST        | COST | TOTAL COST  |
|--|---|-----|--------|-------------|-------------|------|-------------|
| 1 (  | Cluster 2 Collection System                                   | 60  | Parcel | \$103,600   | \$6,216,000 | \$0  | \$6,216,000 |
| 2 (  | Cluster 2 Raw Wastewater Pump Station                         | 1   | EA     | \$1,710,000 | \$1,710,000 | \$0  | \$1,710,000 |
| 3  |   |     |        |             |             |      |             |
| 4  |   |     |        |             |             |      |             |
| 5  |   |     |        |             |             |      |             |
| 6  |   |     |        |             |             |      |             |
| 7  |   |     |        |             |             |      |             |
| 8  |   |     |        |             |             |      |             |
| 9  |   |     |        |             |             |      |             |
| 10   |   |     |        |             |             |      |             |
| 11   |   |     |        |             |             |      |             |
| SUBTOTAL \$7,  |   |     |        |             |             |      | \$7,926,000 |
| ı  | Plant Paving, Grading, and Yard Piping (                      |     |        |             |             |      | \$0         |
|  | Mechanical and Piping   |     |        |             | 0%          |      | \$0         |
|  | Electrical  |     |        |             | 0%          |      | \$0         |
|  | Instrumentation and Controls                                  |     |        |             | 0%          |      | \$0         |
|  | SUBTOTAL  |     |        |             |             |      | \$7,930,000 |
| -  | Tax on Materials  |     |        |             | 0%          |      | \$0         |
| (  | Contractor's Markup on Sub-Contractors' Work                  |     |        |             | 0%          |      | \$0         |
| (  | Contractor's Overhead and Profit                              |     |        |             | 0%          |      | \$0         |
|  | Mobilization and Demobilization                               |     |        |             | 0%          |      | \$0         |
| (  | Contractor's General Conditions                               |     |        |             | 0%          |      | \$0         |
| SUBTOTAL   |   |     |        |             |             |      | \$7,930,000 |
| ı  | Project Phase-Level OPCC Contingency                          |     |        |             | 0%          |      | \$0         |
| ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST   |   |     |        |             |             |      | \$7,930,000 |
| Construction Contingency   |   |     |        |             | 0%          |      | \$0         |
| Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and Legal and Admin  0% |   |     |        |             | 0%          |      | \$0         |
|  | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST |     |        |             |             |      | \$7,930,000 |

**OPPC PROVIDED BY:** Niloofar S.

**REVIEWED BY:** CEH



LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05
Sheet Title: Cluster 3

Element #: 10

|  | DESCRIPTION   | QTY | UNIT   | UNIT COST   | COST         | COST | TOTAL COST   |
|--|---|-----|--------|-------------|--------------|------|--------------|
| 1  | Cluster 3 Collection System                                   | 190 | Parcel |             | \$19,209,000 |      | \$19,209,000 |
| 2  | Cluster 3 Raw Wastewater Pump Station                         | 1   | EA     | \$1,860,000 |              |      | \$1,860,000  |
| 3  | ·   |     |        | . , ,       | . , ,        | ·    | . , ,        |
| 4  |   |     |        |             |              |      |              |
| 5  |   |     |        |             |              |      |              |
| 6  |   |     |        |             |              |      |              |
| 7  |   |     |        |             |              |      |              |
| 8  |   |     |        |             |              |      |              |
| 9  |   |     |        |             |              |      |              |
| 10   |   |     |        |             |              |      |              |
| 11   |   |     |        |             |              |      |              |
| SUBTOTAL \$21,069  |   |     |        |             |              |      |              |
| Plant Paving, Grading, and Yard Piping 0'  |   |     |        |             |              | \$0  |              |
|  | Mechanical and Piping   |     |        |             | 0%           |      | \$0          |
|  | Electrical  |     |        |             | 0%           | \$0  |              |
|  | Instrumentation and Controls                                  |     |        |             | 0%           |      | \$0          |
|  | SUBTOTAL  |     |        |             |              |      | \$21,070,000 |
|  | Tax on Materials  |     |        |             | 0%           |      | \$0          |
|  | Contractor's Markup on Sub-Contractors' Work                  |     |        |             | 0%           |      | \$0          |
|  | Contractor's Overhead and Profit                              |     |        |             | 0%           |      | \$0          |
|  | Mobilization and Demobilization                               |     |        |             | 0%           |      | \$0          |
| Contractor's General Conditions 0%   |   |     |        |             |              | \$0  |              |
| SUBTOTAL \$21  |   |     |        |             |              |      | \$21,070,000 |
| Project Phase-Level OPCC Contingency 0%  |   |     |        |             |              |      | \$0          |
|  | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST  |     |        |             |              |      | \$21,070,000 |
| Construction Contingency 0%  |   |     |        |             |              |      | \$0          |
| Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and Legal and Admin  0% |   |     |        |             |              | \$0  |              |
|  | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST |     |        |             |              |      | \$21,070,000 |

**OPPC PROVIDED BY:** Niloofar S.

**REVIEWED BY:** CEH



LOCATION: Sonoma County, CA

|                    | WYA Project #: | 798-50-24-05 | <b>OPPC PROVIDED BY:</b> Niloofar S.    |
|--------------------|----------------|--------------|---|
| WEST YOST          | Sheet Title:   | Cluster 4    | <b>OPPC PREPARATION DATE:</b> 16-Oct-25 |
| Water. Engineered. | Element #:     | 11           | REVIEWED BY: CEH                        |
|                    |                |              |   |

|                    | DESCRIPTION  | QTY | UNIT   | UNIT COST   | COST         | COST | TOTAL COST   |
|--------------------|--|-----|--------|-------------|--------------|------|--------------|
| 1                  | Cluster 4 Collection System  | 110 | Parcel | \$109,600   | \$12,056,000 | \$0  | \$12,056,000 |
| 2                  | Cluster 4 Raw Wastewater Pump Station  | 1   | EA     | \$1,850,000 | \$1,850,000  | \$0  | \$1,850,000  |
| 3                  |  |     |        |             |              |      |              |
| 4                  |  |     |        |             |              |      |              |
| 5                  |  |     |        |             |              |      |              |
| 6                  |  |     |        |             |              |      |              |
| 7                  |  |     |        |             |              |      |              |
| 8                  |  |     |        |             |              |      |              |
| 9                  |  |     |        |             |              |      |              |
| 10                 |  |     |        |             |              |      |              |
| 11                 |  |     |        |             |              |      |              |
| SUBTOTAL \$13,906, |  |     |        |             |              |      |              |
|                    | Plant Paving, Grading, and Yard Piping   |     |        |             | 0%           |      | \$0          |
|                    | Mechanical and Piping  |     |        |             | 0%           |      | \$0          |
|                    | Electrical   |     |        |             | 0%           |      | \$0          |
|                    | Instrumentation and Controls   |     |        |             | 0%           |      | \$0          |
|                    | SUBTOTAL   |     |        |             |              |      | \$13,910,000 |
|                    | Tax on Materials   |     |        |             | 0%           |      | \$0          |
|                    | Contractor's Markup on Sub-Contractors' Work   |     |        |             | 0%           |      | \$0          |
|                    | Contractor's Overhead and Profit   |     |        |             | 0%           |      | \$0          |
|                    | Mobilization and Demobilization  |     |        |             | 0%           |      | \$0          |
|                    | Contractor's General Conditions  |     |        |             | 0%           |      | \$0          |
| SUBTOTAL \$13,910, |  |     |        |             |              |      |              |
|                    | Project Phase-Level OPCC Contingency 0%  |     |        |             |              |      |              |
|                    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST \$13,   |     |        |             |              |      |              |
|                    | Construction Contingency 0%  |     |        |             |              |      | \$0          |
|                    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and Legal and Admin  0% |     |        |             |              |      | \$0          |
|                    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST  |     |        |             |              |      | \$13,910,000 |



OWNER: Sonoma Water LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05
Sheet Title: Cluster 5

ment #: 12

**OPPC PROVIDED BY:** Niloofar S. **OPPC PREPARATION DATE:** 16-Oct-25

**REVIEWED BY:** CEH

|                   | DESCRIPTION  | QTY | UNIT   | UNIT COST   | COST         | COST | TOTAL COST   |
|-------------------|--|-----|--------|-------------|--------------|------|--------------|
| 1                 | Cluster 5 Collection System  | 100 | Parcel | \$109,300   | \$10,930,000 | \$0  | \$10,930,000 |
| 2                 | Cluster 5 Raw Wastewater Pump Station  | 1   | EA     | \$1,850,000 | \$1,850,000  | \$0  | \$1,850,000  |
| 3                 |  |     |        |             |              |      |              |
| 4                 |  |     |        |             |              |      |              |
| 5                 |  |     |        |             |              |      |              |
| 6                 |  |     |        |             |              |      |              |
| 7                 |  |     |        |             |              |      |              |
| 8                 |  |     |        |             |              |      |              |
| 9                 |  |     |        |             |              |      |              |
| 10                |  |     |        |             |              |      |              |
| 11                |  |     |        |             |              |      |              |
| SUBTOTAL \$12,780 |  |     |        |             |              |      |              |
|                   | Plant Paving, Grading, and Yard Piping   |     |        |             | 0%           |      | \$0          |
|                   | Mechanical and Piping  |     |        |             | 0%           |      | \$0          |
|                   | Electrical   |     |        |             | 0%           |      | \$0          |
|                   | Instrumentation and Controls   |     |        |             | 0%           |      | \$0          |
|                   | SUBTOTAL   |     |        |             |              |      | \$12,780,000 |
|                   | Tax on Materials   |     |        |             | 0%           |      | \$0          |
|                   | Contractor's Markup on Sub-Contractors' Work   |     |        |             | 0%           |      | \$0          |
|                   | Contractor's Overhead and Profit   |     |        |             | 0%           |      | \$0          |
|                   | Mobilization and Demobilization  |     |        |             | 0%           |      | \$0          |
|                   | Contractor's General Conditions  |     |        |             | 0%           |      | \$0          |
| SUBTOTAL \$12,78  |  |     |        |             |              |      |              |
|                   | Project Phase-Level OPCC Contingency 0%  |     |        |             |              |      | \$0          |
|                   | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST   |     |        |             |              |      | \$12,780,000 |
|                   | Construction Contingency 0%  |     |        |             |              |      | \$0          |
|                   | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and Legal and Admin  0% |     |        |             |              |      | \$0          |
|                   | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST  |     |        |             |              |      | \$12,780,000 |



OWNER: Sonoma Water
LOCATION: Sonoma County, CA
WYA Project #: 798-50-24-05

eet Title: Cluster 6

lement #: 13

|  | DESCRIPTION                                  | QTY | UNIT   | UNIT COST   | COST         | COST         | TOTAL COST   |  |
|--|--|-----|--------|-------------|--------------|--------------|--------------|--|
| 1  | Cluster 6 Collection System                  | 440 | Parcel |             | \$43,956,000 |              | \$43,956,000 |  |
| 2  | Cluster 6 Raw Wastewater Pump Station        | 1   | EA     | \$1,900,000 | \$1,900,000  |              | \$1,900,000  |  |
| 3  | ·  |     |        | ,           |              | ·            |              |  |
| 4  |  |     |        |             |              |              |              |  |
| 5  |  |     |        |             |              |              |              |  |
| 6  |  |     |        |             |              |              |              |  |
| 7  |  |     |        |             |              |              |              |  |
| 8  |  |     |        |             |              |              |              |  |
| 9  |  |     |        |             |              |              |              |  |
| 10   |  |     |        |             |              |              |              |  |
| 11   |  |     |        |             |              |              |              |  |
|  | <b>SUBTOTAL</b> \$45,856,000                 |     |        |             |              |              |              |  |
|  | Plant Paving, Grading, and Yard Piping       |     |        |             | 0%           |              | \$0          |  |
|  | Mechanical and Piping                        |     |        |             | 0%           |              | \$0          |  |
|  | Electrical                                   |     |        |             | 0%           |              | \$0          |  |
|  | Instrumentation and Controls                 |     |        |             | 0%           |              | \$0          |  |
|  | SUBTOTAL                                     |     |        |             |              |              | \$45,860,000 |  |
|  | Tax on Materials                             |     |        |             | 0%           |              | \$0          |  |
|  | Contractor's Markup on Sub-Contractors' Work |     |        |             | 0%           |              | \$0          |  |
|  | Contractor's Overhead and Profit             |     |        |             | 0%           |              | \$0          |  |
|  | Mobilization and Demobilization              |     |        |             | 0%           |              | \$0          |  |
|  | Contractor's General Conditions 0%           |     |        |             |              |              | \$0          |  |
| <b>SUBTOTAL</b> \$45,860,0   |  |     |        |             |              |              |              |  |
| Project Phase-Level OPCC Contingency 0%  |  |     |        |             |              | \$0          |              |  |
| ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST   |  |     |        |             |              | \$45,860,000 |              |  |
| Construction Contingency 0%  |  |     |        |             |              | \$0          |              |  |
| Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and Legal and Admin  0% |  |     |        |             | \$0          |              |              |  |
| ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST  |  |     |        |             | \$45,860,000 |              |              |  |



**OPPC PROVIDED BY:** Niloofar S.

**REVIEWED BY:** CEH



LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05

eet Title: Cluster 7
ement #: 14

OPPC PROVIDED BY: Niloofar S.
OPPC PREPARATION DATE: 16-Oct-25
REVIEWED BY: CEH

|   | DESCRIPTION  | QTY | UNIT   | UNIT COST   | COST         | COST | TOTAL COST   |  |  |
|---|--|-----|--------|-------------|--------------|------|--------------|--|--|
| 1   | Cluster 7 Collection System  | 450 | Parcel | \$103,100   | \$46,395,000 | \$0  | \$46,395,000 |  |  |
| 2   | Cluster 7 Raw Wastewater Pump Station  | 1   | EA     | \$1,900,000 | \$1,900,000  | \$0  | \$1,900,000  |  |  |
| 3   |  |     |        |             |              |      |              |  |  |
| 4   |  |     |        |             |              |      |              |  |  |
| 5   |  |     |        |             |              |      |              |  |  |
| 6   |  |     |        |             |              |      |              |  |  |
| 7   |  |     |        |             |              |      |              |  |  |
| 8   |  |     |        |             |              |      |              |  |  |
| 9   |  |     |        |             |              |      |              |  |  |
| 10  |  |     |        |             |              |      |              |  |  |
| 11  |  |     |        |             |              |      |              |  |  |
|   | <b>SUBTOTAL</b> \$48,295,000   |     |        |             |              |      |              |  |  |
|   | Plant Paving, Grading, and Yard Piping   |     |        |             | 0%           |      | \$0          |  |  |
|   | Mechanical and Piping  |     |        |             | 0%           |      | \$0          |  |  |
|   | Electrical   |     |        |             | 0%           |      | \$0          |  |  |
|   | Instrumentation and Controls   |     |        |             | 0%           |      | \$0          |  |  |
|   | SUBTOTAL   |     |        |             |              |      | \$48,300,000 |  |  |
|   | Tax on Materials   |     |        |             | 0%           |      | \$0          |  |  |
|   | Contractor's Markup on Sub-Contractors' Work   |     |        |             | 0%           |      | \$0          |  |  |
|   | Contractor's Overhead and Profit   |     |        |             | 0%           |      | \$0          |  |  |
|   | Mobilization and Demobilization  |     |        |             | 0%           |      | \$0          |  |  |
|   | Contractor's General Conditions  |     |        |             | 0%           |      | \$0          |  |  |
|   | SUBTOTAL   |     |        |             |              |      | \$48,300,000 |  |  |
|   | Project Phase-Level OPCC Contingency   | 0%  |        | \$0         |              |      |              |  |  |
| ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST \$48,300 |  |     |        |             |              |      | \$48,300,000 |  |  |
| Construction Contingency  |  |     |        |             | 0%           |      | \$0          |  |  |
|   | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and Legal and Admin |     |        |             |              |      | \$0          |  |  |
|   | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST  |     |        |             |              |      | \$48,300,000 |  |  |





OWNER: Sonoma Water LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05
Sheet Title: Cluster 8

Element #: 15

|  | DESCRIPTION   | QTY | UNIT   | UNIT COST   | COST         | COST | TOTAL COST   |  |
|--|---|-----|--------|-------------|--------------|------|--------------|--|
| 1  | Cluster 8 Collection System                                   | 170 | Parcel | \$106,000   | \$18,020,000 | \$0  | \$18,020,000 |  |
| 2  | Cluster 8 Raw Wastewater Pump Station                         | 1   | EA     | \$1,720,000 | \$1,720,000  | \$0  | \$1,720,000  |  |
| 3  |   |     |        |             |              |      |              |  |
| 4  |   |     |        |             |              |      |              |  |
| 5  |   |     |        |             |              |      |              |  |
| 6  |   |     |        |             |              |      |              |  |
| 7  |   |     |        |             |              |      |              |  |
| 8  |   |     |        |             |              |      |              |  |
| 9  |   |     |        |             |              |      |              |  |
| 10   |   |     |        |             |              |      |              |  |
| 11   |   |     |        |             |              |      |              |  |
|  | SUBTOTAL \$19,740,  |     |        |             |              |      |              |  |
|  | Plant Paving, Grading, and Yard Piping                        |     |        |             | 0%           |      | \$0          |  |
|  | Mechanical and Piping   |     |        |             | 0%           | 0%   |              |  |
|  | Electrical  |     |        |             | 0%           |      | \$0          |  |
|  | Instrumentation and Controls                                  |     |        |             | 0%           |      | \$0          |  |
|  | SUBTOTAL  |     |        |             |              |      | \$19,740,000 |  |
|  | Tax on Materials  |     |        |             | 0%           |      | \$0          |  |
|  | Contractor's Markup on Sub-Contractors' Work                  |     |        |             | 0%           |      | \$0          |  |
|  | Contractor's Overhead and Profit                              |     |        |             | 0%           |      | \$0          |  |
|  | Mobilization and Demobilization                               |     |        |             | 0%           |      | \$0          |  |
| Contractor's General Conditions 0%   |   |     |        |             |              |      | \$0          |  |
| SUBTOTAL \$1   |   |     |        |             |              |      | \$19,740,000 |  |
|  | Project Phase-Level OPCC Contingency                          |     |        |             | 0%           |      | \$0          |  |
|  | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST  |     |        |             |              |      | \$19,740,000 |  |
| Construction Contingency   |   |     |        |             | 0%           |      | \$0          |  |
| Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and Legal and Admin  0% |   |     |        |             | 0%           |      | \$0          |  |
|  | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST |     |        |             |              |      | \$19,740,000 |  |



**OPPC PROVIDED BY:** Niloofar S.

**REVIEWED BY:** CEH



LOCATION: Sonoma County, CA

/YA Project #: 798-50-24-05
heet Title: Cluster 9

Element #: 16

|                          | DESCRIPTION  | QTY | UNIT   | UNIT COST   | COST         | COST | TOTAL COST   |  |  |
|--------------------------|--|-----|--------|-------------|--------------|------|--------------|--|--|
| 1                        | Cluster 9 Collection System  | 140 | Parcel | \$105,800   | \$14,812,000 | \$0  | \$14,812,000 |  |  |
| 2                        | Cluster 9 Raw Wastewater Pump Station  | 1   | EA     | \$1,720,000 | \$1,720,000  | \$0  | \$1,720,000  |  |  |
| 3                        |  |     |        |             |              |      |              |  |  |
| 4                        |  |     |        |             |              |      |              |  |  |
| 5                        |  |     |        |             |              |      |              |  |  |
| 6                        |  |     |        |             |              |      |              |  |  |
| 7                        |  |     |        |             |              |      |              |  |  |
| 8                        |  |     |        |             |              |      |              |  |  |
| 9                        |  |     |        |             |              |      |              |  |  |
| 10                       |  |     |        |             |              |      |              |  |  |
| 11                       |  |     |        |             |              |      |              |  |  |
|                          | <b>SUBTOTAL</b> \$16,532,00  |     |        |             |              |      |              |  |  |
|                          | Plant Paving, Grading, and Yard Piping   |     |        |             | 0%           | \$0  |              |  |  |
|                          | Mechanical and Piping  |     |        |             | 0%           |      | \$0          |  |  |
|                          | Electrical   |     |        |             | 0%           |      | \$0          |  |  |
|                          | Instrumentation and Controls   |     |        |             | 0%           |      | \$0          |  |  |
|                          | SUBTOTAL   |     |        |             |              |      | \$16,530,000 |  |  |
|                          | Tax on Materials   |     |        |             | 0%           |      | \$0          |  |  |
|                          | Contractor's Markup on Sub-Contractors' Work   |     |        |             | 0%           |      | \$0          |  |  |
|                          | Contractor's Overhead and Profit   |     |        |             | 0%           |      | \$0          |  |  |
|                          | Mobilization and Demobilization  |     |        |             | 0%           |      | \$0          |  |  |
|                          | Contractor's General Conditions  |     |        |             | 0%           |      | \$0          |  |  |
|                          | SUBTOTAL \$16,53   |     |        |             |              |      |              |  |  |
|                          | Project Phase-Level OPCC Contingency   | 0%  |        | \$0         |              |      |              |  |  |
|                          | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST   |     |        |             |              |      | \$16,530,000 |  |  |
| Construction Contingency |  |     |        |             |              |      | \$0          |  |  |
|                          | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and Legal and Admin |     |        |             |              |      | \$0          |  |  |
|                          | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST  |     |        |             |              |      | \$16,530,000 |  |  |



**OPPC PROVIDED BY:** Niloofar S.

**REVIEWED BY:** CEH

**OPPC PREPARATION DATE: 16-Oct-25** 

798-50-24-05



LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05
Sheet Title: Cluster 10

ement #: 17

|  | DESCRIPTION   | QTY | UNIT   | UNIT COST   | COST        | COST | TOTAL COST  |
|--|---|-----|--------|-------------|-------------|------|-------------|
| 1  | Cluster 10 Collection System                                  | 70  | Parcel | \$105,800   | \$7,406,000 | \$0  |             |
| 2  | Cluster 10 Raw Wastewater Pump Station                        | 1   | EA     | \$1,840,000 | \$1,840,000 | \$0  |             |
| 3  | ·   | _   | 2,1    | \$1,040,000 | \$1,040,000 | ΨO   | 71,040,000  |
|  |   |     |        |             |             |      |             |
| 4  |   |     |        |             |             |      |             |
| 5  |   |     |        |             |             |      |             |
| 6  |   |     |        |             |             |      |             |
| 7  |   |     |        |             |             |      |             |
| 8  |   |     |        |             |             |      |             |
| 9  |   |     |        |             |             |      |             |
| 10   |   |     |        |             |             |      |             |
| 11   |   |     |        |             |             |      |             |
| SUBTOTAL \$9,2   |   |     |        |             |             |      | \$9,246,000 |
|  | Plant Paving, Grading, and Yard Piping                        |     | 0%     |             | \$0         |      |             |
|  | Mechanical and Piping   |     |        |             | 0%          |      | \$0         |
|  | Electrical  |     |        |             | 0%          |      | \$0         |
|  | Instrumentation and Controls                                  |     |        |             | 0%          |      | \$0         |
|  | SUBTOTAL  |     |        |             |             |      | \$9,250,000 |
|  | Tax on Materials  |     |        |             | 0%          |      | \$0         |
|  | Contractor's Markup on Sub-Contractors' Work                  |     |        |             | 0%          |      | \$0         |
|  | Contractor's Overhead and Profit                              |     |        |             | 0%          |      | \$0         |
|  | Mobilization and Demobilization                               |     |        |             | 0%          |      | \$0         |
|  | Contractor's General Conditions 0%                            |     |        |             |             |      | \$0         |
| SUBTOTAL \$9,25  |   |     |        |             |             |      | \$9,250,000 |
| Project Phase-Level OPCC Contingency 0%  |   |     |        |             |             |      | \$0         |
|  | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST  |     |        |             |             |      | \$9,250,000 |
| Construction Contingency   |   |     |        |             | 0%          |      | \$0         |
| Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and Legal and Admin  0% |   |     |        |             |             | \$0  |             |
|  | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST |     |        |             |             |      | \$9,250,000 |



**OPPC PROVIDED BY:** Niloofar S.

**REVIEWED BY:** CEH



OWNER: Sonoma Water LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05
Sheet Title: Cluster 11

lement #: 18

|  | DESCRIPTION  | QTY | UNIT   | UNIT COST   | COST                        | COST         | TOTAL COST   |  |
|--|--|-----|--------|-------------|-----------------------------|--------------|--------------|--|
| 1  | Cluster 11 Collection System   | 370 | Parcel |             | \$37,666,000                |              | \$37,666,000 |  |
| -  |  |     |        |             |                             |              |              |  |
| 2  | Cluster 11 Raw Wastewater Pump Station   | 1   | EA     | \$1,930,000 |                             |              | \$1,930,000  |  |
| 3  | OCSD piping/pumping upsize   | 1   | LS     | \$2,000,000 | 000 \$2,000,000 \$0 \$2,000 |              |              |  |
| 4  |  |     |        |             |                             |              |              |  |
| 5  |  |     |        |             |                             |              |              |  |
| 6  |  |     |        |             |                             |              |              |  |
| 7  |  |     |        |             |                             |              |              |  |
| 8  |  |     |        |             |                             |              |              |  |
| 9  |  |     |        |             |                             |              |              |  |
| 10   |  |     |        |             |                             |              |              |  |
| 11   |  |     |        |             |                             |              |              |  |
| <b>SUBTOTAL</b> \$41,596,000                                     |  |     |        |             |                             |              |              |  |
| Plant Paving, Grading, and Yard Piping 0%                        |  |     |        |             |                             |              | \$0          |  |
|  | Mechanical and Piping  |     |        |             | 0%                          |              | \$0          |  |
|  | Electrical   |     |        |             | 0%                          |              | \$0          |  |
|  | Instrumentation and Controls   |     |        |             | 0%                          |              | \$0          |  |
|  | SUBTOTAL   |     |        |             |                             |              | \$41,600,000 |  |
|  | Tax on Materials   |     |        |             | 0%                          |              | \$0          |  |
|  | Contractor's Markup on Sub-Contractors' Work   |     |        |             | 0%                          |              | \$0          |  |
|  | Contractor's Overhead and Profit   |     |        |             | 0%                          |              | \$0          |  |
|  | Mobilization and Demobilization  |     |        |             | 0%                          |              | \$0<br>\$0   |  |
|  | Contractor's General Conditions 0%   |     |        |             |                             |              |              |  |
| <b>SUBTOTAL</b> \$41,600,000                                     |  |     |        |             |                             |              |              |  |
| Project Phase-Level OPCC Contingency 0%                          |  |     |        |             |                             | \$0          |              |  |
| ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST \$4 |  |     |        |             |                             | \$41,600,000 |              |  |
| Construction Contingency 0%                                      |  |     |        |             | \$0                         |              |              |  |
|  | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and Legal and Admin  0% |     |        |             |                             | \$0          |              |  |
|  | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST \$.  |     |        |             |                             | \$41,600,000 |              |  |



**OPPC PROVIDED BY:** Niloofar S.

**REVIEWED BY:** CEH



OWNER: Sonoma Water LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05 Sheet Title: Cluster 12

Element #: 17

| <b>OPPC PROVIDED BY:</b> Niloofar S.    |
|---|
| <b>OPPC PREPARATION DATE:</b> 16-Oct-25 |
| REVIEWED BY: CEH                        |

|    | DESCRIPTION  | QTY | UNIT   | UNIT COST | COST         | COST | TOTAL COST   |
|----|--|-----|--------|-----------|--------------|------|--------------|
| 1  | Cluster 12 Collection System   | 781 | Parcel | \$111,667 | \$87,211,667 | \$0  | \$87,212,000 |
| 2  |  |     |        |           |              |      |              |
| 3  |  |     |        |           |              |      |              |
| 4  |  |     |        |           |              |      |              |
| 5  |  |     |        |           |              |      |              |
| 6  |  |     |        |           |              |      |              |
| 7  |  |     |        |           |              |      |              |
| 8  |  |     |        |           |              |      |              |
| 9  |  |     |        |           |              |      |              |
| 10 |  |     |        |           |              |      |              |
| 11 |  |     |        |           |              |      |              |
|    | SUBTOTAL   |     |        |           |              |      | \$87,212,000 |
|    | Plant Paving, Grading, and Yard Piping   |     |        |           |              |      | \$0          |
|    | Mechanical and Piping  | 0%  |        | \$0       |              |      |              |
|    | Electrical   | 0%  |        | \$0       |              |      |              |
|    | Instrumentation and Controls   |     |        |           |              |      | \$0          |
|    | SUBTOTAL \$87,21   |     |        |           |              |      |              |
|    | Tax on Materials   |     |        |           |              |      | \$0          |
|    | Contractor's Markup on Sub-Contractors' Work   |     |        |           | 0%           |      | \$0          |
|    | Contractor's Overhead and Profit   | 0%  |        | \$0       |              |      |              |
|    | Mobilization and Demobilization  |     |        |           |              |      | \$0          |
|    | Contractor's General Conditions  | 0%  |        | \$0       |              |      |              |
|    | SUBTOTAL   |     |        |           |              |      | \$87,210,000 |
|    | Project Phase-Level OPCC Contingency   |     |        |           |              |      | \$0          |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST   |     |        |           |              |      | \$87,210,000 |
|    | Construction Contingency   |     |        |           |              |      | \$0          |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and Legal and Admin |     |        |           |              |      | \$0          |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST  |     |        |           |              |      | \$87,210,000 |



OWNER: Sonoma Water
LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05
OPCC Manager: LMS & NS
Reviewer: CEH

**Description of Work:** Cost Estimating

Type of Estimate: Class 5

Date of This Estimate: 16-Oct-25

| ELEMENT# | DESCRIPTION   | UNIT COST      | UNITS         | ANTICIPATED COST |  |  |
|----------|---|----------------|---------------|------------------|--|--|
| 1        | Fill Effluent Pond at FWD WWTP  | \$3,600,000    | 1             | \$3,600,000      |  |  |
| 2        | Suspended Air Flotation at FWD WWTP   | \$7,500,000    | 1             | \$7,500,000      |  |  |
| 3        | Filter influent pump station  | \$2,800,000    | 1             | \$2,800,000      |  |  |
| 4        | Tertiary Disk Filtration at FWD WWTP  | ΓP \$2,800,000 |               |                  |  |  |
| 5        | Chlorine Contact Basin Expansion at FWD WWTP  |                |               |                  |  |  |
| 6        | Headworks Improvement at GCSD WWTP  | \$900,000      | 1             | \$900,000        |  |  |
| 7        | Pond Aeration System Upgrades at GCSD WWTP  | \$9,400,000    | 1             | \$9,400,000      |  |  |
| 8        | Land Purchase for Storage Pond at GCSD WWTP   | \$2,000,000    | 1             | \$2,000,000      |  |  |
| 9        | Effluent Storage Pond Expansion at GCSD WWTP  | \$25,400,000   | 1             | \$25,400,000     |  |  |
| 10       | Pipelines at FWD and GCSD WWTP  | \$1,000,000    | 1             | \$1,000,000      |  |  |
| 11       | Inter Facilities Pipelines  | \$9,500,000    | 1             | \$9,500,000      |  |  |
| 12       | Land Application (FWD/GCSD)   | \$9,600,000    | 1             | \$9,600,000      |  |  |
| 13       | Conveyance Pipelines  | \$168,700,000  | 1             | \$168,700,000    |  |  |
| 14       | Recycled Water Pipelines  | \$16,100,000   | 1             | \$16,100,000     |  |  |
| 15       | Conveyance Pump Stations  | \$12,500,000   | 1             | \$12,500,000     |  |  |
| 16       | Equalization Facilities at RRCSD  | \$300,000      | 1             | \$300,000        |  |  |
| 17       | Connection Fee to Windsor   | \$94,800,000   | 1             | \$94,800,000     |  |  |
| 18       | Cluster 1 Sewer Service Connection  | \$7,500,000    | 1             | \$7,500,000      |  |  |
| 19       | Cluster 2 Sewer Service Connection  | \$7,900,000    | 1             | \$7,900,000      |  |  |
| 20       | Cluster 3 Sewer Service Connection  | \$21,100,000   | 1             | \$21,100,000     |  |  |
| 21       | Cluster 4 Sewer Service Connection  | \$13,900,000   | 1             | \$13,900,000     |  |  |
| 22       | Cluster 5 Sewer Service Connection  | \$12,800,000   | 1             | \$12,800,000     |  |  |
| 23       | Cluster 6 Sewer Service Connection  | \$45,900,000   | 1             | \$45,900,000     |  |  |
| 24       | Cluster 7 Sewer Service Connection  | \$48,300,000   | 1             | \$48,300,000     |  |  |
| 25       | Cluster 8 Sewer Service Connection  | \$19,700,000   | 1             | \$19,700,000     |  |  |
| 26       | Cluster 9 Sewer Service Connection  | \$16,500,000   | 1             | \$16,500,000     |  |  |
| 27       | Cluster 10 Sewer Service Connection   | \$9,300,000    | 1             | \$9,300,000      |  |  |
| 28       | Cluster 11 Sewer Service Connection   | \$41,600,000   | 1             | \$41,600,000     |  |  |
| 29       | Cluster 12 Sewer Service Connection   | \$87,200,000   | 1             | \$87,200,000     |  |  |
|          | ENGINEER'S PRELIMINARY OPINION OF PROBABLE PROJECT COST                                       |                | \$701,500,000 |                  |  |  |
|          | Construction Contingency Engineering Design, Environmental Planning and Studies, Construction | 0%             |               | \$0              |  |  |
|          | Management, ESDC, and Legal and Admin Costs   | 25%            |               | \$151,700,000    |  |  |
|          | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL CO                                   | ST             |               | \$853,200,000    |  |  |





1

LOCATION: Sonoma County, CA WYA Project #: 798-50-24-05

Sheet Title: Eff Pond Fill @FWD

ient #:

**OPPC PROVIDED BY:** Niloofar S. **OPPC PREPARATION DATE:** 16-Oct-25

**REVIEWED BY: CEH** 

**UNIT COST DESCRIPTION** QTY UNIT COST **COST TOTAL COST** 1 Effluent Pond Fill \$0 16,100 CY \$120 \$1,932,000 \$1,932,000 2 3 4 5 6 7 8 9 10 **SUBTOTAL** \$1.932.000 Plant Paving, Grading, and Yard Piping 10% \$193,000 Mechanical and Piping 0% \$0 **Flectrical** \$0 0% Instrumentation and Controls 0% **SUBTOTAL** \$2,130,000 \$0 Tax on Materials 0% \$0 Contractor's Markup on Sub-Contractors' Work 10% Contractor's Overhead and Profit 15% \$320,000 Mobilization and Demobilization 5% \$107,000 Contractor's General Conditions 10% \$213,000 **SUBTOTAL** \$2,770,000 Project Phase-Level OPCC Contingency 30% \$831,000 **ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST** \$3,600,000 **Construction Contingency** 0% Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and Legal and Admin 25% \$900,000 ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST \$4,500,000





OWNER: Sonoma Water LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05
Sheet Title: SAF @FWD

ment #: 2

OPPC PROVIDED BY: Niloofar S.
OPPC PREPARATION DATE: 16-Oct-25
REVIEWED BY: CEH

|  | DESCRIPTION   | QTY   | UNIT | UNIT COST | COST        | COST        | TOTAL COST  |
|--|---|-------|------|-----------|-------------|-------------|-------------|
| 1  | Concrete Pad (to accommodate two 1.5 mgd SAF units)   | 57    | CY   | \$550     | \$31,350    | \$31,350    | \$63,000    |
| 2  | Secondary Effluent Junction Box   | 0     | 0    | \$0       | \$98,000    | \$0         | \$98,000    |
| 3  | Suspended Air Floatation System (two units, each 1.5 mgd capacity - includes tank, flocculation | 2     | LS   | \$589,625 | \$1,179,250 | \$1,179,250 | \$2,359,000 |
| 4  | Canopy  | 1,480 | SF   | \$85      | \$125,800   | \$0         |             |
| 5  |   |       |      |           | , ,         | ·           |             |
| 6  |   |       |      |           |             |             |             |
| 7  |   |       |      |           |             |             |             |
| 8  |   |       |      |           |             |             |             |
| 9  |   |       |      |           |             |             |             |
| 10   |   |       |      |           |             |             |             |
|  |   |       |      |           |             |             |             |
|  | SUBTOTAL  |       |      |           |             |             | \$2,646,000 |
|  | Plant Paving, Grading, and Yard Piping  |       |      |           |             |             | \$265,000   |
|  | Mechanical and Piping   |       |      |           | 10%         |             | \$265,000   |
|  | Electrical  |       | 25%  |           | \$662,000   |             |             |
|  | Instrumentation and Controls 15%  |       |      |           |             |             | \$397,000   |
|  | SUBTOTAL  |       |      |           |             |             | \$4,240,000 |
|  | Tax on Materials 9.3%   |       |      |           |             |             | \$133,000   |
|  | Contractor's Markup on Sub-Contractors' Work  |       |      |           |             |             | \$106,000   |
|  | Contractor's Overhead and Profit  |       |      |           |             |             | \$636,000   |
|  | Mobilization and Demobilization   |       |      |           |             |             | \$212,000   |
|  | Contractor's General Conditions 10%   |       |      |           |             |             | \$424,000   |
|  | SUBTOTAL  |       |      |           |             |             | \$5,750,000 |
|  | Project Phase-Level OPCC Contingency  |       |      |           |             |             | \$1,725,000 |
| ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST   |   |       |      |           |             | \$7,480,000 |             |
|  | Construction Contingency  |       |      |           | 0%          |             | \$0         |
| Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and Legal and Admin 25% |   |       |      | 25%       |             | \$1,870,000 |             |
|  | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                                   |       |      |           |             |             | \$9,350,000 |



LOCATION: Sonoma County, CA
WYA Project #: 798-50-24-05

heet Title: FIPS @FWD

ment #: 3

| <b>OPPC PROVIDED BY:</b> Niloofar S.    |
|---|
| <b>OPPC PREPARATION DATE:</b> 16-Oct-25 |
| REVIEWED BY: CEH                        |

|    | DESCRIPTION  | QTY | UNIT | UNIT COST   | COST        | COST | TOTAL COST  |  |  |
|----|--|-----|------|-------------|-------------|------|-------------|--|--|
| 1  | 2.6 mgd pump station before SAF and cloth disk filters   | 1   | LS   | \$2,170,000 | \$2,170,000 | \$0  | \$2,170,000 |  |  |
| 2  |  |     |      |             |             |      |             |  |  |
| 3  |  |     |      |             |             |      |             |  |  |
| 4  |  |     |      |             |             |      |             |  |  |
| 5  |  |     |      |             |             |      |             |  |  |
| 6  |  |     |      |             |             |      |             |  |  |
| 7  |  |     |      |             |             |      |             |  |  |
| 8  |  |     |      |             |             |      |             |  |  |
| 9  |  |     |      |             |             |      |             |  |  |
| 10 |  |     |      |             |             |      |             |  |  |
|    |  |     |      |             |             |      |             |  |  |
|    | SUBTOTAL   |     |      |             |             |      | \$2,170,000 |  |  |
|    | Plant Paving, Grading, and Yard Piping<br>Mechanical and Piping  |     |      |             |             |      | \$0         |  |  |
|    |  |     |      |             |             |      | \$0         |  |  |
|    | Electrical   |     |      |             | 0%          | \$0  |             |  |  |
|    | Instrumentation and Controls   |     |      |             |             |      | \$0         |  |  |
|    | <b>SUBTOTAL</b> \$2,170,000  |     |      |             |             |      |             |  |  |
|    | Tax on Materials   |     |      |             |             |      | \$0         |  |  |
|    | Contractor's Markup on Sub-Contractors' Work   |     |      |             |             |      | \$0         |  |  |
|    | Contractor's Overhead and Profit   |     |      |             | 0%          |      | \$0         |  |  |
|    | Mobilization and Demobilization  |     |      |             | 0%          |      | \$0         |  |  |
|    | Contractor's General Conditions  |     |      |             | 0%          |      | \$0         |  |  |
|    | SUBTOTAL Project Phase-Level OPCC Contingency  |     |      |             |             |      | \$2,170,000 |  |  |
|    |  |     |      |             | 30%         |      | \$651,000   |  |  |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST   |     |      |             |             |      | \$2,820,000 |  |  |
|    | Construction Contingency   |     |      |             | 0%          | \$0  |             |  |  |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and Legal and Admin |     |      |             | 25%         |      | \$705,000   |  |  |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST  |     |      |             |             |      | \$3,530,000 |  |  |



OWNER: Sonoma Water
LOCATION: Sonoma County, CA
WYA Project #: 798-50-24-05

heet Title: Tert.Filt. @FWD

Element #: 4

|                             | DESCRIPTION   | QTY           | UNIT | UNIT COST | COST      | COST      | TOTAL COST  |  |
|-----------------------------|---|---------------|------|-----------|-----------|-----------|-------------|--|
| 1                           | Concrete Pad (under two 6-Disk filter unit tanks)   | 23            | CY   | \$550     | \$12,650  | \$12,650  | \$25,000    |  |
| 2                           | Cloth Media Filters (two (2) 6-Disk AquaDisk filters, each equipped with 5 cloth disks, in steel ta | 1             | LS   | \$600,000 | \$600,000 | \$300,000 | \$900,000   |  |
| 3                           | Canopy  | 727           | SF   | \$85      | \$61,786  | \$0       | \$62,000    |  |
| 4                           |   |               |      |           |           |           |             |  |
| 5                           |   |               |      |           |           |           |             |  |
| 6                           |   |               |      |           |           |           |             |  |
| 7                           |   |               |      |           |           |           |             |  |
| 8                           |   |               |      |           |           |           |             |  |
| 9                           |   |               |      |           |           |           |             |  |
| 10                          |   |               |      |           |           |           |             |  |
|                             |   |               |      |           |           |           |             |  |
|                             | SUBTOTAL \$98   |               |      |           |           |           |             |  |
|                             | Plant Paving, Grading, and Yard Piping  |               |      | 10%       |           | \$99,000  |             |  |
|                             | Mechanical and Piping   |               |      |           | 10%       |           | \$99,000    |  |
|                             | Electrical  |               |      |           | 25%       |           | \$247,000   |  |
|                             | Instrumentation and Controls  |               |      |           | 15%       |           | \$148,000   |  |
|                             | SUBTOTAL  |               |      |           |           |           | \$1,580,000 |  |
|                             | Tax on Materials  |               |      |           | 9.3%      |           | \$62,000    |  |
|                             | Contractor's Markup on Sub-Contractors' Work  |               |      |           | 10%       |           | \$40,000    |  |
|                             | Contractor's Overhead and Profit  |               |      |           | 15%       |           | \$237,000   |  |
|                             | Mobilization and Demobilization   |               |      |           | 5%        |           | \$79,000    |  |
|                             | Contractor's General Conditions   |               |      |           | 10%       |           | \$158,000   |  |
|                             | SUBTOTAL  |               |      |           |           |           | \$2,160,000 |  |
|                             | Project Phase-Level OPCC Contingency  |               |      | 30%       |           | \$648,000 |             |  |
|                             | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST  |               |      |           |           |           | \$2,810,000 |  |
| Construction Contingency 0% |   |               |      |           |           |           | \$0         |  |
|                             | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and          | l Legal and A | dmin |           | 25%       |           | \$703,000   |  |
|                             | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                                       |               |      |           |           |           | \$3,510,000 |  |

**OPPC PROVIDED BY:** Niloofar S.

**REVIEWED BY:** CEH



OWNER: Sonoma Water
LOCATION: Sonoma County, CA
WYA Project #: 798-50-24-05

NYA Project #: 798-50-24-05
Sheet Title: CCB @FWD

ement #: 5

**OPPC PROVIDED BY:** Niloofar S.

**OPPC PREPARATION DATE:** 16-Oct-25

REVIEWED BY: CEH

|  | DESCRIPTION  | QTY           | UNIT | UNIT COST | COST      | COST      | TOTAL COST  |
|--|--|---------------|------|-----------|-----------|-----------|-------------|
| 1  | Excavation for three new chlorine contact basins   | 1,670         | CY   | \$45      | \$75,150  | \$0       | \$75,000    |
| 2  | Concrete basins for three (3) new chlorine contactors (match existing)                     | 592           | CY   | \$550     | \$325,600 | \$325,600 | \$651,000   |
| 3  | Additional chemical storage building for gas cylinders for the three new CCBs.             | 324           | SF   | \$450     | \$145,800 | \$0       | \$146,000   |
| 4  | Metal grating over chlorine contact basin inlets   | 128           | SF   | \$35      | \$4,489   | \$0       | \$4,000     |
| 5  | Surface Mounted Fiberglass Slide Gate and Frame (2 per chlorine contact basin)             | 6             | EA   | \$5,000   | \$30,000  | \$15,000  | \$45,000    |
| 6  | Chlorine Ejector (Chlorination) Assembly (1 per chlorine contact basin)                    | 3             | EA   | \$10,000  | \$30,000  | \$15,000  | \$45,000    |
| 7  | Sulfur Dioxide Ejector (Dechlorination) Assembly (1 per chlorine contact basin)            | 3             | EA   | \$10,000  | \$30,000  | \$15,000  | \$45,000    |
| 8  |  |               |      |           |           |           |             |
| 9  |  |               |      |           |           |           |             |
| 10   |  |               |      |           |           |           |             |
|  |  |               |      |           |           |           |             |
|  | SUBTOTAL   |               |      |           |           |           | \$1,011,000 |
| Plant Paving, Grading, and Yard Piping 10% |  |               |      |           |           |           | \$101,000   |
|  | Mechanical and Piping  |               |      |           | 10%       |           | \$101,000   |
|  | Electrical   |               |      |           | 25%       |           | \$253,000   |
|  | Instrumentation and Controls   |               |      |           | 15%       |           | \$152,000   |
|  | SUBTOTAL   |               |      |           |           |           | \$1,620,000 |
|  | Tax on Materials   |               |      |           | 9.3%      |           | \$59,000    |
|  | Contractor's Markup on Sub-Contractors' Work   |               |      |           | 10%       |           | \$41,000    |
|  | Contractor's Overhead and Profit   |               |      |           | 15%       |           | \$243,000   |
|  | Mobilization and Demobilization  |               |      |           | 5%        |           | \$81,000    |
|  | Contractor's General Conditions  |               |      |           | 10%       |           | \$162,000   |
|  | SUBTOTAL   |               |      |           |           |           | \$2,210,000 |
|  | Project Phase-Level OPCC Contingency   |               |      |           | 30%       |           | \$663,000   |
|  | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                               |               |      |           |           |           | \$2,870,000 |
|  | Construction Contingency   |               |      |           | 0%        |           | \$0         |
|  | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and | d Legal and A | dmin |           | 25%       |           | \$718,000   |
|  | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                              |               |      |           |           |           | \$3,590,000 |



LOCATION: Sonoma County, CA
WYA Project #: 798-50-24-05

heet Title: GCSD Headwork

ement #: 6

|    | DESCRIPTION  | QTY           | UNIT | UNIT COST | COST      | COST      | TOTAL COST |  |
|----|--|---------------|------|-----------|-----------|-----------|------------|--|
| 1  | ROTAMAT Micro Strainer Ro9   | 1             | LS   | \$157,000 | \$157,000 | \$157,000 | \$314,000  |  |
| 2  | Bin  | 1             | LS   | \$50,000  | \$50,000  | \$0       | \$50,000   |  |
| 3  |  |               |      |           |           | ·         |            |  |
| 4  |  |               |      |           |           |           |            |  |
| 5  |  |               |      |           |           |           |            |  |
| 6  |  |               |      |           |           |           |            |  |
| 7  |  |               |      |           |           |           |            |  |
| 8  |  |               |      |           |           |           |            |  |
| 9  |  |               |      |           |           |           |            |  |
| 10 |  |               |      |           |           |           |            |  |
|    |  |               |      |           |           |           |            |  |
|    | SUBTOTAL \$36  |               |      |           |           |           |            |  |
|    | Plant Paving, Grading, and Yard Piping   |               |      |           | 0%        |           | \$0        |  |
|    | Mechanical and Piping  |               |      |           | 5%        |           | \$18,000   |  |
|    | Electrical   |               |      |           | 25%       |           | \$91,000   |  |
|    | Instrumentation and Controls   |               |      |           | 15%       |           | \$55,000   |  |
|    | SUBTOTAL   |               |      |           |           |           | \$530,000  |  |
|    | Tax on Materials   |               |      |           | 9.3%      |           | \$19,000   |  |
|    | Contractor's Markup on Sub-Contractors' Work   |               |      |           | 10%       |           | \$15,000   |  |
|    | Contractor's Overhead and Profit   |               |      |           | 15%       |           | \$80,000   |  |
|    | Mobilization and Demobilization  |               |      |           | 5%        |           | \$27,000   |  |
|    | Contractor's General Conditions  |               |      |           | 10%       |           | \$53,000   |  |
|    | SUBTOTAL   |               |      |           |           |           | \$720,000  |  |
|    | Project Phase-Level OPCC Contingency   |               |      |           | 30%       |           | \$216,000  |  |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                               |               |      |           |           |           | \$940,000  |  |
|    | Construction Contingency   |               |      |           | 0%        |           | \$0        |  |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and | d Legal and A | dmin |           | 25%       |           | \$235,000  |  |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                              |               |      |           |           |           |            |  |

**OPPC PROVIDED BY:** Niloofar S.

**REVIEWED BY:** CEH

**OPPC PREPARATION DATE: 16-Oct-25** 



OWNER: Sonoma Water LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05

heet Title: Aer.Ponds @GCSD

ent #: 7 REVIEWED BY: CEH

|                 | DESCRIPTION  | QTY           | UNIT  | UNIT COST   | COST        | COST        | TOTAL COST   |
|-----------------|--|---------------|-------|-------------|-------------|-------------|--------------|
| 1               | Blower Building (houses three (3) 100HP blowers for pond aeration system)                    | 1,053         | SF    | \$550       | \$579,150   | \$0         | \$579,000    |
| 2               | Ares Aeration® Pond Aeration System (in treatment ponds) & Floating Cover (on settling pond) | 1             | EA    | \$1,468,680 | \$1,468,680 | \$1,468,680 | \$2,937,000  |
| 3               |  |               |       |             |             |             |              |
| 4               |  |               |       |             |             |             |              |
| 5               |  |               |       |             |             |             |              |
| 6               |  |               |       |             |             |             |              |
| 7               |  |               |       |             |             |             |              |
| 8               |  |               |       |             |             |             |              |
| 9               |  |               |       |             |             |             |              |
| 10              |  |               |       |             |             |             |              |
|                 |  |               |       |             |             |             |              |
| SUBTOTAL \$3,51 |  |               |       |             |             |             |              |
|                 | Plant Paving, Grading, and Yard Piping   |               |       |             | 10%         |             | \$352,000    |
|                 | Mechanical and Piping  |               |       |             | 10%         |             | \$294,000    |
|                 | Electrical   |               |       |             | 25%         |             | \$734,000    |
|                 | Instrumentation and Controls   |               |       |             | 15%         |             | \$441,000    |
|                 | SUBTOTAL   |               |       |             |             |             | \$5,340,000  |
|                 | Tax on Materials   |               |       |             | 9.3%        |             | \$136,000    |
|                 | Contractor's Markup on Sub-Contractors' Work   |               |       |             | 10%         |             | \$118,000    |
|                 | Contractor's Overhead and Profit   |               |       |             | 15%         |             | \$801,000    |
|                 | Mobilization and Demobilization  |               |       |             | 5%          |             | \$267,000    |
|                 | Contractor's General Conditions  |               |       |             | 10%         |             | \$534,000    |
|                 | SUBTOTAL   |               |       |             |             |             | \$7,200,000  |
|                 | Project Phase-Level OPCC Contingency   |               |       |             | 30%         |             | \$2,160,000  |
|                 | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                                 |               |       |             |             |             | \$9,360,000  |
|                 | Construction Contingency   |               |       |             | 0%          |             | \$0          |
|                 | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and   | l Legal and A | Admin |             | 25%         |             | \$2,340,000  |
|                 | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                                |               |       |             |             |             | \$11,700,000 |

**OPPC PROVIDED BY:** Niloofar S.



LOCATION: Sonoma County, CA
WYA Project #: 798-50-24-05

neet Title: Land for Pond @GCSD

ement #: 8 REVIEWED BY: CEH

|               |  | MATERIAL      |       | MATERIAL  | MATERIAL    | INSTALL |             |
|---------------|--|---------------|-------|-----------|-------------|---------|-------------|
|               | DESCRIPTION  | QTY           | UNIT  | UNIT COST | COST        | COST    | TOTAL COST  |
| 1             | Land Purchase  | 20            | acres | \$100,000 | \$2,000,000 | \$0     | \$2,000,000 |
| 2             |  |               |       |           |             |         |             |
| 3             |  |               |       |           |             |         |             |
| 4             |  |               |       |           |             |         |             |
| 5             |  |               |       |           |             |         |             |
| 6             |  |               |       |           |             |         |             |
| 7             |  |               |       |           |             |         |             |
| 8             |  |               |       |           |             |         |             |
| 9             |  |               |       |           |             |         |             |
| 10            |  |               |       |           |             |         |             |
|               |  |               |       |           |             |         |             |
| SUBTOTAL \$2, |  |               |       |           |             |         |             |
|               | Plant Paving, Grading, and Yard Piping   |               |       |           | 0%          |         | \$0         |
|               | Mechanical and Piping  |               |       |           | 0%          |         | \$0         |
|               | Electrical   |               |       |           | 0%          |         | \$0         |
|               | Instrumentation and Controls   |               |       |           | 0%          |         | \$0         |
|               | SUBTOTAL   |               |       |           |             |         | \$2,000,000 |
|               | Tax on Materials   |               |       |           | 0%          |         | \$0         |
|               | Contractor's Markup on Sub-Contractors' Work   |               |       |           | 0%          |         | \$0         |
|               | Contractor's Overhead and Profit   |               |       |           | 0%          |         | \$0         |
|               | Mobilization and Demobilization  |               |       |           | 0%          |         | \$0         |
|               | Contractor's General Conditions  |               |       |           | 0%          |         | \$0         |
|               | SUBTOTAL   |               |       |           |             |         | \$2,000,000 |
|               | Project Phase-Level OPCC Contingency 0%  |               |       |           |             |         | \$0         |
|               | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                               |               |       |           |             |         | \$2,000,000 |
|               | Construction Contingency 09  |               |       |           |             |         | \$0         |
|               | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and | d Legal and A | dmin  |           | 25%         |         | \$500,000   |
|               | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                              |               |       |           |             |         | \$2,500,000 |



**OPPC PROVIDED BY:** Niloofar S.



OWNER: Sonoma Water
LOCATION: Sonoma County, CA
WYA Project #: 798-50-24-05

heet Title: Eff.Stor.Pond @GCSD

ement #: 9 REVIEWED BY: CEH

|    | DESCRIPTION  | QTY           | UNIT | UNIT COST | COST         | COST | TOTAL COST   |  |
|----|--|---------------|------|-----------|--------------|------|--------------|--|
| 1  | Excavation   | 235,000       | CY   | \$45      | \$10,580,000 | \$0  | \$10,580,000 |  |
| 2  | Rip rap  | 7,000         | ton  | \$375     | \$2,630,000  | \$0  | \$2,630,000  |  |
| 3  | Gravel   | 2,000         | ton  | \$210     | \$420,000    | \$0  | \$420,000    |  |
| 4  | Misc Structure   | 2             | EA   | \$100,000 | \$200,000    | \$0  | \$200,000    |  |
| 5  | Fencing  | 4,397         | LF   | \$75      | \$330,000    | \$0  | \$330,000    |  |
| 6  |  |               |      |           |              |      |              |  |
| 7  |  |               |      |           |              |      |              |  |
| 8  |  |               |      |           |              |      |              |  |
| 9  |  |               |      |           |              |      |              |  |
| 10 |  |               |      |           |              |      |              |  |
|    |  |               |      |           |              |      |              |  |
|    | <b>SUBTOTAL</b> \$14,160,0   |               |      |           |              |      |              |  |
|    | Plant Paving, Grading, and Yard Piping   |               | 0%   |           | \$0          |      |              |  |
|    | Mechanical and Piping  |               |      |           | 5%           |      | \$710,000    |  |
|    | Electrical   |               |      |           | 0%           |      | \$0          |  |
|    | Instrumentation and Controls   |               |      |           | 0%           |      | \$0          |  |
|    | SUBTOTAL   |               |      |           |              |      | \$14,870,000 |  |
|    | Tax on Materials   |               |      |           | 9.3%         |      | \$170,000    |  |
|    | Contractor's Markup on Sub-Contractors' Work   |               |      |           | 10%          |      | \$0          |  |
|    | Contractor's Overhead and Profit   |               |      |           | 15%          |      | \$2,230,000  |  |
|    | Mobilization and Demobilization  |               |      |           | 5%           |      | \$740,000    |  |
|    | Contractor's General Conditions  |               |      |           | 10%          |      | \$1,490,000  |  |
|    | SUBTOTAL   |               |      |           |              |      | \$19,500,000 |  |
|    | Project Phase-Level OPCC Contingency   |               |      |           | 30%          |      | \$5,850,000  |  |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                               |               |      |           |              |      | \$25,350,000 |  |
|    | Construction Contingency   |               |      |           | 0%           |      | \$0          |  |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and | d Legal and A | dmin |           | 25%          |      | \$6,340,000  |  |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                              |               |      |           |              |      | \$31,690,000 |  |



**OPPC PROVIDED BY:** Niloofar S.



OWNER: Sonoma Water LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05

Sheet Title: Pipelines-Treatment

Element #: 10 REVIEWED BY: CEH

|               | DESCRIPTION  | QTY           | UNIT | UNIT COST | COST      | COST | TOTAL COST  |
|---------------|--|---------------|------|-----------|-----------|------|-------------|
| 1             | 10 inch Pipeline   | 1,490         | LF   | \$300     | \$447,000 | \$0  | \$447,000   |
| 2             | 14 inch Pipeline   | 270           | LF   | \$420     | \$113,400 | \$0  | \$113,000   |
| 3             |  |               |      |           |           |      |             |
| 4             |  |               |      |           |           |      |             |
| 5             |  |               |      |           |           |      |             |
| 6             |  |               |      |           |           |      |             |
| 7             |  |               |      |           |           |      |             |
| 8             |  |               |      |           |           |      |             |
| 9             |  |               |      |           |           |      |             |
| 10            |  |               |      |           |           |      |             |
|               |  |               |      |           |           |      |             |
| SUBTOTAL \$56 |  |               |      |           |           |      |             |
|               | Plant Paving, Grading, and Yard Piping   |               |      |           | 0%        | \$0  |             |
|               | Mechanical and Piping  |               |      |           | 0%        | \$0  |             |
|               | Electrical   |               |      |           | 0%        |      | \$0         |
|               | Instrumentation and Controls   |               |      |           | 0%        |      | \$0         |
|               | SUBTOTAL   |               |      |           |           |      | \$560,000   |
|               | Tax on Materials   |               |      |           | 9.3%      |      | \$52,000    |
|               | Contractor's Markup on Sub-Contractors' Work   |               |      |           | 10%       |      | \$0         |
|               | Contractor's Overhead and Profit   |               |      |           | 15%       |      | \$84,000    |
|               | Mobilization and Demobilization  |               |      |           | 5%        |      | \$28,000    |
|               | Contractor's General Conditions  |               |      |           | 10%       |      | \$56,000    |
|               | SUBTOTAL   |               |      |           |           |      | \$780,000   |
|               | Project Phase-Level OPCC Contingency   |               |      |           | 30%       |      | \$234,000   |
|               | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                               |               |      |           |           |      | \$1,010,000 |
|               | Construction Contingency   |               |      |           | 0%        | \$0  |             |
|               | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and | d Legal and A | dmin |           | 25%       |      | \$253,000   |
|               | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                              |               |      |           |           |      | \$1,260,000 |



**OPPC PROVIDED BY:** Niloofar S.



OWNER: Sonoma Water LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05

Sheet Title: Pipeline-Inter Plants

Element #: 11 REVIEWED BY: CEH

|    | DESCRIPTION  | QTY           | UNIT | UNIT COST | COST        | COST | TOTAL COST   |  |  |
|----|--|---------------|------|-----------|-------------|------|--------------|--|--|
| 1  | Rehab 8 inch Pipeline  | 8,976         | LF   | \$120     | \$1,077,120 | \$0  | \$1,077,000  |  |  |
| 2  | 6 inch Pipeline  | 4,224         | LF   | \$180     | \$760,320   | \$0  | \$760,000    |  |  |
| 3  | 14 inch Pipeline   | 8,976         | LF   | \$420     | \$3,769,920 | \$0  | \$3,770,000  |  |  |
| 4  |  |               |      |           |             |      |              |  |  |
| 5  |  |               |      |           |             |      |              |  |  |
| 6  |  |               |      |           |             |      |              |  |  |
| 7  |  |               |      |           |             |      |              |  |  |
| 8  |  |               |      |           |             |      |              |  |  |
| 9  |  |               |      |           |             |      |              |  |  |
| 10 |  |               |      |           |             |      |              |  |  |
|    |  |               |      |           |             |      |              |  |  |
|    | SUBTOTAL \$5,607   |               |      |           |             |      |              |  |  |
|    | Plant Paving, Grading, and Yard Piping   |               | 0%   | \$0       |             |      |              |  |  |
|    | Mechanical and Piping  |               |      |           | 0%          | \$0  |              |  |  |
|    | Electrical   |               |      |           | 0%          |      | \$0          |  |  |
|    | Instrumentation and Controls   |               |      |           | 0%          |      | \$0          |  |  |
|    | SUBTOTAL   |               |      |           |             |      | \$5,610,000  |  |  |
|    | Tax on Materials   |               |      |           | 0%          |      | \$0          |  |  |
|    | Contractor's Markup on Sub-Contractors' Work   |               |      |           | 10%         |      | \$0          |  |  |
|    | Contractor's Overhead and Profit   |               |      |           | 15%         |      | \$842,000    |  |  |
|    | Mobilization and Demobilization  |               |      |           | 5%          |      | \$281,000    |  |  |
|    | Contractor's General Conditions  |               |      |           | 10%         |      | \$561,000    |  |  |
|    | SUBTOTAL   |               |      |           |             |      | \$7,290,000  |  |  |
|    | Project Phase-Level OPCC Contingency   |               |      |           | 30%         |      | \$2,187,000  |  |  |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                               |               |      |           |             |      | \$9,480,000  |  |  |
|    | Construction Contingency   |               |      |           | 0%          |      | \$0          |  |  |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and | d Legal and A | dmin |           | 25%         |      | \$2,370,000  |  |  |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                              |               |      |           |             |      | \$11,850,000 |  |  |

**OPPC PROVIDED BY:** Niloofar S.



OWNER: Sonoma Water LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05

eet Title: Pipelines-Conveyance

nent #: 13 REVIEWED BY: CEH

|    | DESCRIPTION  | QTY           | UNIT  | UNIT COST   | COST        | COST | TOTAL COST   |
|----|--|---------------|-------|-------------|-------------|------|--------------|
| 1  | Creek crossing   | 7             | EA    | \$3,800,000 | ##########  | \$0  | \$26,600,000 |
| 2  | 4" Pipeline  | 12,120        | LF    | \$120       | \$1,454,400 | \$0  | \$1,454,000  |
| 3  | 8" Pipeline  | 5,220         | LF    | \$240       | \$1,252,800 | \$0  | \$1,253,000  |
| 4  | 16" Pipeline   | 5,370         | LF    | \$480       | \$2,577,600 | \$0  | \$2,578,000  |
| 5  | 24" Pipeline   | 94,310        | LF    |             | ##########  | \$0  |              |
| 6  |  |               |       |             |             |      |              |
| 7  |  |               |       |             |             |      |              |
| 8  |  |               |       |             |             |      |              |
| 9  |  |               |       |             |             |      |              |
| 10 |  |               |       |             |             |      |              |
|    |  |               |       |             |             |      |              |
|    | SUBTOTAL   |               |       |             |             |      |              |
|    | Plant Paving, Grading, and Yard Piping   |               |       |             | 0%          | \$0  |              |
|    | Mechanical and Piping  |               |       |             | 0%          |      | \$0          |
|    | Electrical   |               |       |             | 0%          | 0%   |              |
|    | Instrumentation and Controls   |               |       |             | 0%          |      | \$0          |
|    | SUBTOTAL   |               |       |             |             |      | \$99,790,000 |
|    | Tax on Materials   |               |       |             | 0%          |      | \$0          |
|    | Contractor's Markup on Sub-Contractors' Work   |               |       |             | 10%         |      | \$0          |
|    | Contractor's Overhead and Profit   |               |       |             | 15%         |      | \$14,969,000 |
|    | Mobilization and Demobilization  |               |       |             | 5%          |      | \$4,990,000  |
|    | Contractor's General Conditions  |               |       |             | 10%         |      | \$9,979,000  |
|    | SUBTOTAL   |               |       |             |             |      | ###########  |
|    | Project Phase-Level OPCC Contingency   |               |       |             | 30%         |      | \$38,919,000 |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                               |               |       |             |             |      | ############ |
|    | Construction Contingency   |               |       |             | 0%          |      | \$0          |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and | d Legal and A | Admin |             | 25%         |      | \$42,163,000 |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                              |               |       |             |             |      | ###########  |

**OPPC PROVIDED BY:** Niloofar S.



798-50-24-05

LOCATION: Sonoma County, CA

heet Title: FWD Land Application

ment #: 12 REVIEWED BY: CEH

|    | DESCRIPTION  | QTY         | UNIT  | UNIT COST | COST        | COST | TOTAL COST   |  |  |
|----|--|-------------|-------|-----------|-------------|------|--------------|--|--|
| 1  | FWD/GCSD Land Application Area   | 1,920       | acres | \$5,000   | \$9,600,000 | \$0  | \$9,600,000  |  |  |
| 2  |  |             |       |           |             |      |              |  |  |
| 3  |  |             |       |           |             |      |              |  |  |
| 4  |  |             |       |           |             |      |              |  |  |
| 5  |  |             |       |           |             |      |              |  |  |
| 6  |  |             |       |           |             |      |              |  |  |
| 7  |  |             |       |           |             |      |              |  |  |
| 8  |  |             |       |           |             |      |              |  |  |
| 9  |  |             |       |           |             |      |              |  |  |
| 10 |  |             |       |           |             |      |              |  |  |
| 11 |  |             |       |           |             |      |              |  |  |
|    | SUBTOTAL \$9,600   |             |       |           |             |      |              |  |  |
|    | Plant Paving, Grading, and Yard Piping   |             |       |           | 0%          |      | \$0          |  |  |
|    | Mechanical and Piping  |             |       |           | 0%          |      | \$0          |  |  |
|    | Electrical   |             |       |           | 0%          |      | \$0          |  |  |
|    | Instrumentation and Controls   |             |       |           | 0%          |      | \$0          |  |  |
|    | SUBTOTAL   |             |       |           |             |      | \$9,600,000  |  |  |
|    | Tax on Materials   |             |       |           | 0%          |      | \$0          |  |  |
|    | Contractor's Markup on Sub-Contractors' Work   |             |       |           | 0%          |      | \$0          |  |  |
|    | Contractor's Overhead and Profit   |             |       |           | 0%          |      | \$0          |  |  |
|    | Mobilization and Demobilization  |             |       |           | 0%          |      | \$0          |  |  |
|    | Contractor's General Conditions  |             |       |           | 0%          |      | \$0          |  |  |
|    | SUBTOTAL   |             |       |           |             |      | \$9,600,000  |  |  |
|    | Project Phase-Level OPCC Contingency   | 0%          |       | \$0       |             |      |              |  |  |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                               |             |       |           |             |      | \$9,600,000  |  |  |
|    | Construction Contingency   |             |       |           | 0%          | \$0  |              |  |  |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and | Legal and A | dmin  |           | 25%         |      | \$2,400,000  |  |  |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                              |             |       |           |             |      | \$12,000,000 |  |  |



**OPPC PROVIDED BY:** Niloofar S.

**OPPC PREPARATION DATE: 16-Oct-25** 



OWNER: Sonoma Water LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05
Sheet Title: Pipelines-ReW

ement #: 14

| <b>OPPC PROVIDED BY:</b> Niloofar S.    |
|---|
| <b>OPPC PREPARATION DATE:</b> 16-Oct-25 |
| REVIEWED BY: CEH                        |

|                | DESCRIPTION  | QTY           | UNIT  | UNIT COST   | COST        | COST | TOTAL COST   |  |
|----------------|--|---------------|-------|-------------|-------------|------|--------------|--|
| 1              | 12 inch Pipelines  | 26,400        | LF    | \$360       | \$9,504,000 | \$0  | \$9,504,000  |  |
| 2              |  |               |       |             |             |      |              |  |
| 3              |  |               |       |             |             |      |              |  |
| 4              |  |               |       |             |             |      |              |  |
| 5              |  |               |       |             |             |      |              |  |
| 6              |  |               |       |             |             |      |              |  |
| 7              |  |               |       |             |             |      |              |  |
| 8              |  |               |       |             |             |      |              |  |
| 9              |  |               |       |             |             |      |              |  |
| 10             |  |               |       |             |             |      |              |  |
|                |  |               |       |             |             |      |              |  |
| SUBTOTAL \$9,5 |  |               |       |             |             |      |              |  |
|                | Plant Paving, Grading, and Yard Piping   |               |       |             | 0%          | \$0  |              |  |
|                | Mechanical and Piping  |               |       |             | 0%          |      | \$0          |  |
|                | Electrical   |               |       |             | 0%          |      | \$0          |  |
|                | Instrumentation and Controls   |               |       |             | 0%          |      | \$0          |  |
|                | SUBTOTAL   |               |       |             |             |      | \$9,500,000  |  |
|                | Tax on Materials   |               |       |             | 0%          |      | \$0          |  |
|                | Contractor's Markup on Sub-Contractors' Work   |               |       |             | 10%         |      | \$0          |  |
|                | Contractor's Overhead and Profit   |               |       |             | 15%         |      | \$1,425,000  |  |
|                | Mobilization and Demobilization  |               |       |             | 5%          |      | \$475,000    |  |
|                | Contractor's General Conditions  |               |       |             | 10%         |      | \$950,000    |  |
|                | SUBTOTAL   |               |       |             |             |      | \$12,350,000 |  |
|                | Project Phase-Level OPCC Contingency   | 30%           |       | \$3,705,000 |             |      |              |  |
|                | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                               |               |       |             |             |      | \$16,060,000 |  |
|                | Construction Contingency   |               |       |             | 0%          | \$0  |              |  |
|                | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and | d Legal and A | Admin |             | 25%         |      | \$4,015,000  |  |
|                | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                              |               |       |             |             |      | \$20,080,000 |  |



OWNER: Sonoma Water LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05
Sheet Title: Conveyance PS

lement #: 15

|                          | DESCRIPTION  | QTY           | UNIT  | UNIT COST   | COST        | COST        | TOTAL COST   |  |
|--------------------------|--|---------------|-------|-------------|-------------|-------------|--------------|--|
| 1                        | GCSD Secondary Effluent Pump Station   | 1             | EA    | \$1,960,000 | \$1,960,000 | \$0         | \$1,960,000  |  |
| 2                        | GCSD Tertiary Effluent Pump Station  | 1             | EA    | \$2,290,000 | \$2,290,000 | \$0         | \$2,290,000  |  |
| 3                        | FWD Tertiary Effluent Pump Station   | 1             | EA    | \$2,050,000 | \$2,050,000 | \$0         | \$2,050,000  |  |
| 4                        | RRCSD Raw Wastewater Pump Station  | 1             | EA    | \$3,320,000 | \$3,320,000 | \$0         | \$3,320,000  |  |
| 5                        |  |               |       |             |             |             |              |  |
| 6                        |  |               |       |             |             |             |              |  |
| 7                        |  |               |       |             |             |             |              |  |
| 8                        |  |               |       |             |             |             |              |  |
| 9                        |  |               |       |             |             |             |              |  |
| 10                       |  |               |       |             |             |             |              |  |
|                          |  |               |       |             |             |             |              |  |
| <b>SUBTOTAL</b> \$9,620, |  |               |       |             |             |             |              |  |
|                          | Plant Paving, Grading, and Yard Piping   |               | 0%    |             |             |             |              |  |
|                          | Mechanical and Piping  |               |       |             | 0%          |             | \$0          |  |
|                          | Electrical   |               |       |             | 0%          |             | \$0          |  |
|                          | Instrumentation and Controls   |               |       |             | 0%          |             | \$0          |  |
|                          | SUBTOTAL   |               |       |             |             |             | \$9,620,000  |  |
|                          | Tax on Materials   |               |       |             | 0%          |             | \$0          |  |
|                          | Contractor's Markup on Sub-Contractors' Work   |               |       |             | 0%          |             | \$0          |  |
|                          | Contractor's Overhead and Profit   |               |       |             | 0%          |             | \$0          |  |
|                          | Mobilization and Demobilization  |               |       |             | 0%          |             | \$0          |  |
|                          | Contractor's General Conditions  |               |       |             | 0%          |             | \$0          |  |
|                          | SUBTOTAL   |               |       |             |             |             | \$9,620,000  |  |
|                          | Project Phase-Level OPCC Contingency   |               |       |             | 30%         |             | \$2,886,000  |  |
|                          | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                               |               |       |             |             |             | \$12,510,000 |  |
|                          | Construction Contingency   |               |       |             | 0%          |             |              |  |
|                          | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and | d Legal and A | Admin |             | 25%         | \$3,128,000 |              |  |
|                          | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                              |               |       |             |             |             | \$15,640,000 |  |



**OPPC PROVIDED BY:** Niloofar S.

**REVIEWED BY:** CEH

**OPPC PREPARATION DATE: 16-Oct-25** 



LOCATION: Sonoma County, CA
WYA Project #: 798-50-24-05

Sheet Title: RRCSD EQ Facilities

nent #: 13

OPPC PROVIDED BY: Niloofar S.
OPPC PREPARATION DATE: 16-Oct-25
REVIEWED BY: CEH

| DESCRIPTION  | QTY                                  | UNIT | UNIT COST | COST     | COST | TOTAL COST |  |  |
|--|--------------------------------------|------|-----------|----------|------|------------|--|--|
| 1 Flow Control Structure   | 1                                    | EA   | \$98,000  | \$98,000 | \$0  | \$98,000   |  |  |
| 2 16" Pipeline   | 190                                  | LF   | \$480     | \$91,200 | \$0  | \$91,000   |  |  |
| 3  |                                      |      |           |          |      |            |  |  |
| 4  |                                      |      |           |          |      |            |  |  |
| 5  |                                      |      |           |          |      |            |  |  |
| 6  |                                      |      |           |          |      |            |  |  |
| 7  |                                      |      |           |          |      |            |  |  |
| 8  |                                      |      |           |          |      |            |  |  |
| 9  |                                      |      |           |          |      |            |  |  |
| 10   |                                      |      |           |          |      |            |  |  |
|  |                                      |      |           |          |      |            |  |  |
| SUBTOTAL   |                                      |      |           |          |      |            |  |  |
| Plant Paving, Grading, and Yard Piping   |                                      |      |           | 0%       |      | \$0        |  |  |
| Mechanical and Piping  |                                      |      |           | 0%       |      | \$0        |  |  |
| Electrical   |                                      |      |           | 0%       |      | \$0        |  |  |
| Instrumentation and Controls   |                                      |      |           | 0%       |      | \$0        |  |  |
| SUBTOTAL   |                                      |      |           |          |      | \$190,000  |  |  |
| Tax on Materials   |                                      |      |           | 0%       |      | \$0        |  |  |
| Contractor's Markup on Sub-Contractors' Work   |                                      |      |           | 10%      |      | \$0        |  |  |
| Contractor's Overhead and Profit   |                                      |      |           | 15%      |      | \$29,000   |  |  |
| Mobilization and Demobilization  |                                      |      |           | 5%       |      | \$10,000   |  |  |
| Contractor's General Conditions  |                                      |      |           | 10%      |      | \$19,000   |  |  |
| SUBTOTAL   |                                      |      |           |          |      | \$250,000  |  |  |
| Project Phase-Level OPCC Contingency   | Project Phase-Level OPCC Contingency |      |           |          |      |            |  |  |
| ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                               |                                      |      |           |          |      | \$330,000  |  |  |
| Construction Contingency   |                                      | 0%   |           | \$0      |      |            |  |  |
| Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and | d Legal and A                        | dmin |           | 25%      |      | \$83,000   |  |  |
| ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                              |                                      |      |           |          |      | \$410,000  |  |  |





OWNER: Sonoma Water LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05
Sheet Title: Connection fee

lement #: 14

| <b>OPPC PROVIDED BY:</b> Niloofar S.    |
|---|
| <b>OPPC PREPARATION DATE:</b> 16-Oct-25 |
| REVIEWED BY: CEH                        |

| DESCRIPTION  | QTY           | UNIT  | UNIT COST    | COST         | COST | TOTAL COST   |
|--|---------------|-------|--------------|--------------|------|--------------|
| 1 Connection fee to Windsor  | 1             | LS    | \$94,800,000 | \$94,800,000 | \$0  | \$94,800,000 |
| 2  |               |       |              |              |      |              |
| 3  |               |       |              |              |      |              |
| 4  |               |       |              |              |      |              |
| 5  |               |       |              |              |      |              |
| 6  |               |       |              |              |      |              |
| 7  |               |       |              |              |      |              |
| 8  |               |       |              |              |      |              |
| 9  |               |       |              |              |      |              |
| 10   |               |       |              |              |      |              |
|  |               |       |              |              |      |              |
| SUBTOTAL   |               |       | \$94,800,000 |              |      |              |
| Plant Paving, Grading, and Yard Piping   |               |       |              | 0%           |      | \$0          |
| Mechanical and Piping  |               |       |              | 0%           |      | \$0          |
| Electrical   |               |       |              | 0%           |      | \$0          |
| Instrumentation and Controls   |               |       |              | 0%           |      | \$0          |
| SUBTOTAL   |               |       |              |              |      | \$94,800,000 |
| Tax on Materials   |               |       |              | 0%           |      | \$0          |
| Contractor's Markup on Sub-Contractors' Work   |               |       |              | 0%           |      | \$0          |
| Contractor's Overhead and Profit   |               |       |              | 0%           |      | \$0          |
| Mobilization and Demobilization  |               |       |              | 0%           |      | \$0          |
| Contractor's General Conditions  |               |       |              | 0%           |      | \$0          |
| SUBTOTAL   |               |       |              |              |      | \$94,800,000 |
| Project Phase-Level OPCC Contingency   |               |       |              | 0%           |      | \$0          |
| ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                               |               |       |              |              |      | \$94,800,000 |
| Construction Contingency   |               |       |              | 0%           |      | \$0          |
| Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and | d Legal and A | Admin |              | 0%           |      | \$0          |
| ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                              |               |       |              |              |      | \$94,800,000 |





OWNER: Sonoma Water LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05
Sheet Title: Cluster 1

Element #: 15

|    | DESCRIPTION  | QTY           | UNIT   | UNIT COST   | COST        | COST | TOTAL COST  |
|----|--|---------------|--------|-------------|-------------|------|-------------|
| 1  | Cluster 1 Collection System  | 50            | Parcel | \$112,200   | \$5,610,000 | \$0  | \$5,610,000 |
| 2  | Cluster 1 Raw Wastewater Pump Station  | 1             | EA     | \$1,840,000 | \$1,840,000 | \$0  | \$1,840,000 |
| 3  |  |               |        |             |             |      |             |
| 4  |  |               |        |             |             |      |             |
| 5  |  |               |        |             |             |      |             |
| 6  |  |               |        |             |             |      |             |
| 7  |  |               |        |             |             |      |             |
| 8  |  |               |        |             |             |      |             |
| 9  |  |               |        |             |             |      |             |
| 10 |  |               |        |             |             |      |             |
| 11 |  |               |        |             |             |      |             |
|    | SUBTOTAL   |               |        |             |             |      | \$7,450,000 |
|    | Plant Paving, Grading, and Yard Piping   |               |        |             | 0%          |      | \$0         |
|    | Mechanical and Piping  |               |        |             | 0%          |      | \$0         |
|    | Electrical   |               |        |             | 0%          |      | \$0         |
|    | Instrumentation and Controls   |               |        |             | 0%          |      | \$0         |
|    | SUBTOTAL   |               |        |             |             |      | \$7,450,000 |
|    | Tax on Materials   |               |        |             | 0%          |      | \$0         |
|    | Contractor's Markup on Sub-Contractors' Work   |               |        |             | 0%          |      | \$0         |
|    | Contractor's Overhead and Profit   |               |        |             | 0%          |      | \$0         |
|    | Mobilization and Demobilization  |               |        |             | 0%          |      | \$0         |
|    | Contractor's General Conditions  |               |        |             | 0%          |      | \$0         |
|    | SUBTOTAL   |               |        |             |             |      | \$7,450,000 |
|    | Project Phase-Level OPCC Contingency   |               |        |             | 0%          |      | \$0         |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                               |               |        |             |             |      | \$7,450,000 |
|    | Construction Contingency   |               | 0%     |             | \$0         |      |             |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and | d Legal and A | Admin  |             | 0%          |      | \$0         |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                              |               |        |             |             |      | \$7,450,000 |



**OPPC PROVIDED BY:** Niloofar S.

**REVIEWED BY:** CEH



OWNER: Sonoma Water LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05
Sheet Title: Cluster 2

Element #: 16

|  | DESCRIPTION  | QTY | UNIT   | UNIT COST   | COST               | COST | TOTAL COST  |  |
|--|--|-----|--------|-------------|--------------------|------|-------------|--|
| 1  | Cluster 2 Collection System  | 60  | Parcel | \$103,600   |                    |      | \$6,216,000 |  |
| 2  | Cluster 2 Raw Wastewater Pump Station  | 1   | EA     | \$1,710,000 |                    |      | \$1,710,000 |  |
| 3  | ·  |     |        | . , ,       | . , ,              | ·    | . , ,       |  |
| 4  |  |     |        |             |                    |      |             |  |
| 5  |  |     |        |             |                    |      |             |  |
| 6  |  |     |        |             |                    |      |             |  |
| 7  |  |     |        |             |                    |      |             |  |
| 8  |  |     |        |             |                    |      |             |  |
| 9  |  |     |        |             |                    |      |             |  |
| 10   |  |     |        |             |                    |      |             |  |
| 11   |  |     |        |             |                    |      |             |  |
| SUBTOTAL   |  |     |        |             |                    |      |             |  |
|  | Plant Paving, Grading, and Yard Piping   |     | 0%     |             | \$7,926,000<br>\$0 |      |             |  |
|  | Mechanical and Piping  |     |        |             | 0%                 |      | \$0         |  |
|  | Electrical   |     |        |             | 0%                 |      | \$0         |  |
|  | Instrumentation and Controls   |     |        |             | 0%                 |      | \$0         |  |
|  | SUBTOTAL   |     |        |             |                    |      | \$7,930,000 |  |
|  | Tax on Materials   |     |        |             | 0%                 |      | \$0         |  |
|  | Contractor's Markup on Sub-Contractors' Work   |     |        |             | 0%                 |      | \$0         |  |
|  | Contractor's Overhead and Profit   |     |        |             | 0%                 |      | \$0         |  |
|  | Mobilization and Demobilization  |     |        |             | 0%                 |      | \$0         |  |
|  | Contractor's General Conditions  |     |        |             | 0%                 |      | \$0         |  |
|  | SUBTOTAL   |     |        |             |                    |      | \$7,930,000 |  |
|  | Project Phase-Level OPCC Contingency   |     |        |             | 0%                 |      | \$0         |  |
| ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST |  |     |        |             |                    |      | \$7,930,000 |  |
|  | Construction Contingency   |     | 0%     |             | \$0                |      |             |  |
|  | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and | 0%  |        | \$0         |                    |      |             |  |
|  | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                              |     |        |             |                    |      | \$7,930,000 |  |

**OPPC PROVIDED BY:** Niloofar S.

**REVIEWED BY:** CEH



OWNER: Sonoma Water LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05
Sheet Title: Cluster 3

Element #: 17

|    | DESCRIPTION  | QTY           | UNIT   | UNIT COST    | COST         | COST | TOTAL COST   |
|----|--|---------------|--------|--------------|--------------|------|--------------|
| 1  | Cluster 3 Collection System  | 190           | Parcel | \$101,100    | \$19,209,000 | \$0  | \$19,209,000 |
| 2  | Cluster 3 Raw Wastewater Pump Station  | 1             | EA     | \$1,860,000  | \$1,860,000  | \$0  | \$1,860,000  |
| 3  |  |               |        |              |              |      |              |
| 4  |  |               |        |              |              |      |              |
| 5  |  |               |        |              |              |      |              |
| 6  |  |               |        |              |              |      |              |
| 7  |  |               |        |              |              |      |              |
| 8  |  |               |        |              |              |      |              |
| 9  |  |               |        |              |              |      |              |
| 10 |  |               |        |              |              |      |              |
| 11 |  |               |        |              |              |      |              |
|    | SUBTOTAL   |               |        | \$21,069,000 |              |      |              |
|    | Plant Paving, Grading, and Yard Piping   |               | 0%     |              | \$0          |      |              |
|    | Mechanical and Piping  |               |        |              | 0%           |      | \$0          |
|    | Electrical   |               |        |              | 0%           |      | \$0          |
|    | Instrumentation and Controls   |               |        |              | 0%           |      | \$0          |
|    | SUBTOTAL   |               |        |              |              |      | \$21,070,000 |
|    | Tax on Materials   |               |        |              | 0%           |      | \$0          |
|    | Contractor's Markup on Sub-Contractors' Work   |               |        |              | 0%           |      | \$0          |
|    | Contractor's Overhead and Profit   |               |        |              | 0%           |      | \$0          |
|    | Mobilization and Demobilization  |               |        |              | 0%           |      | \$0          |
|    | Contractor's General Conditions  |               |        |              | 0%           |      | \$0          |
|    | SUBTOTAL   |               |        |              |              |      | \$21,070,000 |
|    | Project Phase-Level OPCC Contingency   |               |        |              | 0%           |      | \$0          |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                               |               |        |              |              |      | \$21,070,000 |
|    | Construction Contingency   |               | 0%     |              | \$0          |      |              |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and | l Legal and A | Admin  |              | 0%           |      | \$0          |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                              |               |        |              |              |      | \$21,070,000 |



**OPPC PROVIDED BY:** Niloofar S.

**REVIEWED BY:** CEH

**OPPC PREPARATION DATE: 16-Oct-25** 



LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05
Sheet Title: Cluster 4

Element #: 18

|    | DESCRIPTION  | QTY           | UNIT   | UNIT COST   | COST         | COST | TOTAL COST   |  |
|----|--|---------------|--------|-------------|--------------|------|--------------|--|
| 1  | Cluster 4 Collection System  | 110           | Parcel |             | \$12,056,000 |      | \$12,056,000 |  |
| 2  | Cluster 4 Raw Wastewater Pump Station  | 1             | EA     | \$1,850,000 |              |      | \$1,850,000  |  |
| 3  | ·  |               |        | , , ,       | , , ,        | · ·  |              |  |
| 4  |  |               |        |             |              |      |              |  |
| 5  |  |               |        |             |              |      |              |  |
| 6  |  |               |        |             |              |      |              |  |
| 7  |  |               |        |             |              |      |              |  |
| 8  |  |               |        |             |              |      |              |  |
| 9  |  |               |        |             |              |      |              |  |
| 10 |  |               |        |             |              |      |              |  |
| 11 |  |               |        |             |              |      |              |  |
|    | SUBTOTAL   |               | 1      |             |              |      | \$13,906,000 |  |
|    | Plant Paving, Grading, and Yard Piping   |               | 0%     |             | \$0          |      |              |  |
|    | Mechanical and Piping  |               |        |             | 0%           |      | \$0          |  |
|    | Electrical   |               |        |             | 0%           |      | \$0          |  |
|    | Instrumentation and Controls   |               |        |             | 0%           |      | \$0          |  |
|    | SUBTOTAL   |               |        |             |              |      | \$13,910,000 |  |
|    | Tax on Materials   |               |        |             | 0%           |      | \$0          |  |
|    | Contractor's Markup on Sub-Contractors' Work   |               |        |             | 0%           |      | \$0          |  |
|    | Contractor's Overhead and Profit   |               |        |             | 0%           |      | \$0          |  |
|    | Mobilization and Demobilization  |               |        |             | 0%           |      | \$0          |  |
|    | Contractor's General Conditions  |               |        |             | 0%           |      | \$0          |  |
|    | SUBTOTAL   |               |        |             |              |      | \$13,910,000 |  |
|    | Project Phase-Level OPCC Contingency   |               | 0%     |             | \$0          |      |              |  |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                               |               |        |             |              |      | \$13,910,000 |  |
|    | Construction Contingency   |               | 0%     |             | \$0          |      |              |  |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and | d Legal and A | Admin  |             | 0%           |      | \$0          |  |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                              |               |        |             |              |      |              |  |



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**OPPC PREPARATION DATE: 16-Oct-25** 



LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05
Sheet Title: Cluster 5

Element #: 19

|    | DESCRIPTION  | QTY           | UNIT   | UNIT COST   | COST         | COST | TOTAL COST   |  |  |
|----|--|---------------|--------|-------------|--------------|------|--------------|--|--|
| 1  | Cluster 5 Collection System  | 100           | Parcel |             | \$10,930,000 |      | \$10,930,000 |  |  |
| 2  | Cluster 5 Raw Wastewater Pump Station  | 1             | EA     | \$1,850,000 |              |      | \$1,850,000  |  |  |
| 3  | ·  |               |        | . , ,       | . , ,        |      | . , ,        |  |  |
| 4  |  |               |        |             |              |      |              |  |  |
| 5  |  |               |        |             |              |      |              |  |  |
| 6  |  |               |        |             |              |      |              |  |  |
| 7  |  |               |        |             |              |      |              |  |  |
| 8  |  |               |        |             |              |      |              |  |  |
| 9  |  |               |        |             |              |      |              |  |  |
| 10 |  |               |        |             |              |      |              |  |  |
| 11 |  |               |        |             |              |      |              |  |  |
|    | SUBTOTAL   |               |        | <u> </u>    |              |      | \$12,780,000 |  |  |
|    | Plant Paving, Grading, and Yard Piping   |               | 0%     |             | \$0          |      |              |  |  |
|    | Mechanical and Piping  |               |        |             | 0%           | \$0  |              |  |  |
|    | Electrical   |               |        |             | 0%           |      | \$0          |  |  |
|    | Instrumentation and Controls   |               |        |             | 0%           |      | \$0          |  |  |
|    | SUBTOTAL   |               |        |             |              |      | \$12,780,000 |  |  |
|    | Tax on Materials   |               |        |             | 0%           |      | \$0          |  |  |
|    | Contractor's Markup on Sub-Contractors' Work   |               |        |             | 0%           |      | \$0          |  |  |
|    | Contractor's Overhead and Profit   |               |        |             | 0%           |      | \$0          |  |  |
|    | Mobilization and Demobilization  |               |        |             | 0%           |      | \$0          |  |  |
|    | Contractor's General Conditions  |               |        |             | 0%           |      | \$0          |  |  |
|    | SUBTOTAL   |               |        |             |              |      | \$12,780,000 |  |  |
|    | Project Phase-Level OPCC Contingency   |               | 0%     |             | \$0          |      |              |  |  |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                               |               |        |             |              |      | \$12,780,000 |  |  |
|    | Construction Contingency   |               | 0%     |             | \$0          |      |              |  |  |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and | d Legal and A | Admin  |             | 0%           |      | \$0          |  |  |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                              |               |        |             |              |      |              |  |  |



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**REVIEWED BY:** CEH

**OPPC PREPARATION DATE: 16-Oct-25** 



OWNER: Sonoma Water LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05
Sheet Title: Cluster 6

lement #: 20

|    | DESCRIPTION  | QTY           | UNIT   | UNIT COST   | COST         | COST | TOTAL COST   |  |  |
|----|--|---------------|--------|-------------|--------------|------|--------------|--|--|
| 1  | Cluster 6 Collection System  | 440           | Parcel | \$99,900    | \$43,956,000 | \$0  | \$43,956,000 |  |  |
| 2  | Cluster 6 Raw Wastewater Pump Station  | 1             | EA     | \$1,900,000 | \$1,900,000  | \$0  | \$1,900,000  |  |  |
| 3  |  |               |        |             |              |      |              |  |  |
| 4  |  |               |        |             |              |      |              |  |  |
| 5  |  |               |        |             |              |      |              |  |  |
| 6  |  |               |        |             |              |      |              |  |  |
| 7  |  |               |        |             |              |      |              |  |  |
| 8  |  |               |        |             |              |      |              |  |  |
| 9  |  |               |        |             |              |      |              |  |  |
| 10 |  |               |        |             |              |      |              |  |  |
| 11 |  |               |        |             |              |      |              |  |  |
|    | SUBTOTAL   |               |        |             |              |      |              |  |  |
|    | Plant Paving, Grading, and Yard Piping   |               | 0%     | \$0         |              |      |              |  |  |
|    | Mechanical and Piping  |               |        |             | 0%           | \$0  |              |  |  |
|    | Electrical   |               |        |             | 0%           |      | \$0          |  |  |
|    | Instrumentation and Controls   |               |        |             | 0%           |      | \$0          |  |  |
|    | SUBTOTAL   |               |        |             |              |      | \$45,860,000 |  |  |
|    | Tax on Materials   |               |        |             | 0%           |      | \$0          |  |  |
|    | Contractor's Markup on Sub-Contractors' Work   |               |        |             | 0%           |      | \$0          |  |  |
|    | Contractor's Overhead and Profit   |               |        |             | 0%           |      | \$0          |  |  |
|    | Mobilization and Demobilization  |               |        |             | 0%           |      | \$0          |  |  |
|    | Contractor's General Conditions  |               |        |             | 0%           |      | \$0          |  |  |
|    | SUBTOTAL   |               |        |             |              |      | \$45,860,000 |  |  |
|    | Project Phase-Level OPCC Contingency   |               |        |             | 0%           |      | \$0          |  |  |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                               |               |        |             | \$45,860,000 |      |              |  |  |
|    | Construction Contingency   |               | 0%     | \$0         |              |      |              |  |  |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and | d Legal and A | Admin  |             | 0%           |      |              |  |  |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                              |               |        |             |              |      | \$45,860,000 |  |  |



**OPPC PROVIDED BY:** Niloofar S.

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OWNER: Sonoma Water LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05
Sheet Title: Cluster 7

Element #: 21

|    | DESCRIPTION  | QTY           | UNIT   | UNIT COST   | COST         | COST | TOTAL COST   |  |
|----|--|---------------|--------|-------------|--------------|------|--------------|--|
| 1  | Cluster 7 Collection System  | 450           | Parcel | \$103,100   | \$46,395,000 | \$0  | \$46,395,000 |  |
| 2  | Cluster 7 Raw Wastewater Pump Station  | 1             | EA     | \$1,900,000 | \$1,900,000  | \$0  | \$1,900,000  |  |
| 3  |  |               |        |             |              |      |              |  |
| 4  |  |               |        |             |              |      |              |  |
| 5  |  |               |        |             |              |      |              |  |
| 6  |  |               |        |             |              |      |              |  |
| 7  |  |               |        |             |              |      |              |  |
| 8  |  |               |        |             |              |      |              |  |
| 9  |  |               |        |             |              |      |              |  |
| 10 |  |               |        |             |              |      |              |  |
| 11 |  |               |        |             |              |      |              |  |
|    | SUBTOTAL   |               |        |             | \$48,295,000 |      |              |  |
|    | Plant Paving, Grading, and Yard Piping   |               | 0%     | \$0         |              |      |              |  |
|    | Mechanical and Piping  |               |        |             | 0%           |      | \$0          |  |
|    | Electrical   |               |        |             | 0%           |      | \$0          |  |
|    | Instrumentation and Controls   |               |        |             | 0%           |      | \$0          |  |
|    | SUBTOTAL   |               |        |             | \$48,300,000 |      |              |  |
|    | Tax on Materials   |               |        |             | 0%           |      | \$0          |  |
|    | Contractor's Markup on Sub-Contractors' Work   |               |        |             | 0%           |      | \$0          |  |
|    | Contractor's Overhead and Profit   |               |        |             | 0%           |      | \$0          |  |
|    | Mobilization and Demobilization  |               |        |             | 0%           |      | \$0          |  |
|    | Contractor's General Conditions  |               |        |             | 0%           |      | \$0          |  |
|    | SUBTOTAL   |               |        |             |              |      | \$48,300,000 |  |
|    | Project Phase-Level OPCC Contingency   |               | 0%     |             | \$0          |      |              |  |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                               |               |        |             |              |      | \$48,300,000 |  |
|    | Construction Contingency   |               | 0%     |             | \$0          |      |              |  |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and | d Legal and A | Admin  |             | 0%           |      | \$0          |  |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                              |               |        |             |              |      | \$48,300,000 |  |



**OPPC PROVIDED BY:** Niloofar S.

**REVIEWED BY:** CEH

**OPPC PREPARATION DATE: 16-Oct-25** 



LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05
Sheet Title: Cluster 8

Element #: 22

|    | DESCRIPTION  | QTY           | UNIT   | UNIT COST   | COST         | COST | TOTAL COST   |  |  |  |
|----|--|---------------|--------|-------------|--------------|------|--------------|--|--|--|
| 1  | Cluster 8 Collection System  | 170           | Parcel | \$106,000   | \$18,020,000 | \$0  | \$18,020,000 |  |  |  |
| 2  | Cluster 8 Raw Wastewater Pump Station  | 1             | EA     | \$1,720,000 | \$1,720,000  | \$0  | \$1,720,000  |  |  |  |
| 3  |  |               |        |             |              |      |              |  |  |  |
| 4  |  |               |        |             |              |      |              |  |  |  |
| 5  |  |               |        |             |              |      |              |  |  |  |
| 6  |  |               |        |             |              |      |              |  |  |  |
| 7  |  |               |        |             |              |      |              |  |  |  |
| 8  |  |               |        |             |              |      |              |  |  |  |
| 9  |  |               |        |             |              |      |              |  |  |  |
| 10 |  |               |        |             |              |      |              |  |  |  |
| 11 |  |               |        |             |              |      |              |  |  |  |
|    | SUBTOTAL   |               |        |             |              |      |              |  |  |  |
|    | Plant Paving, Grading, and Yard Piping   |               | 0%     |             | \$0          |      |              |  |  |  |
|    | Mechanical and Piping  |               |        |             | 0%           |      | \$0          |  |  |  |
|    | Electrical   |               |        |             | 0%           |      | \$0          |  |  |  |
|    | Instrumentation and Controls   |               |        |             | 0%           |      | \$0          |  |  |  |
|    | SUBTOTAL   |               |        |             |              |      | \$19,740,000 |  |  |  |
|    | Tax on Materials   |               |        |             | 0%           |      | \$0          |  |  |  |
|    | Contractor's Markup on Sub-Contractors' Work   |               |        |             | 0%           |      | \$0          |  |  |  |
|    | Contractor's Overhead and Profit   |               |        |             | 0%           |      | \$0          |  |  |  |
|    | Mobilization and Demobilization  |               |        |             | 0%           |      | \$0          |  |  |  |
|    | Contractor's General Conditions  |               |        |             | 0%           |      | \$0          |  |  |  |
|    | SUBTOTAL   |               |        |             |              |      | \$19,740,000 |  |  |  |
|    | Project Phase-Level OPCC Contingency   |               |        |             | 0%           |      | \$0          |  |  |  |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST                               |               |        |             |              |      | \$19,740,000 |  |  |  |
|    | Construction Contingency   |               |        |             | 0%           |      | \$0          |  |  |  |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and | d Legal and A | Admin  |             | 0%           |      | \$0          |  |  |  |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST                              |               |        |             |              |      | \$19,740,000 |  |  |  |



**OPPC PROVIDED BY:** Niloofar S.

**REVIEWED BY:** CEH

**OPPC PREPARATION DATE: 16-Oct-25** 



LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05

Cluster 9 **OPPC PREPARATION DATE: 16-Oct-25** 23

|          | DESCRIPTION  | QTY | UNIT       | UNIT COST           | COST         | COST                       | TOTAL COST   |
|----------|--|-----|------------|---------------------|--------------|----------------------------|--------------|
| 1        | Cluster 9 Collection System  | 140 | Parcel     |                     | \$14,812,000 |                            | \$14,812,000 |
| 2        | Cluster 9 Raw Wastewater Pump Station  | 1   | EA         | \$1,720,000         |              |                            | \$1,720,000  |
| 3        | ·  |     |            | , , , , , , , ,     | , , =,===    | , -                        | , , =,===    |
| 4        |  |     |            |                     |              |                            |              |
| 5        |  |     |            |                     |              |                            |              |
| 6        |  |     |            |                     |              |                            |              |
| 7        |  |     |            |                     |              |                            |              |
| 8        |  |     |            |                     |              |                            |              |
| 9        |  |     |            |                     |              |                            |              |
|          |  |     |            |                     |              |                            |              |
| 10<br>11 |  |     |            |                     |              |                            |              |
| -        | SUBTOTAL   |     |            |                     |              |                            |              |
|          | Plant Paving, Grading, and Yard Piping   | 0%  |            | \$16,532,000<br>\$0 |              |                            |              |
|          | Mechanical and Piping  | 0%  | \$0<br>\$0 |                     |              |                            |              |
|          | lectrical  |     |            |                     | 0%           |                            | ,<br>\$0     |
|          | Instrumentation and Controls 0% SUBTOTAL   |     |            |                     |              |                            | \$0          |
|          |  |     |            |                     |              |                            | \$16,530,000 |
|          | Tax on Materials   |     |            |                     |              | \$16,530,000<br>\$0<br>\$0 |              |
|          | Contractor's Markup on Sub-Contractors' Work   |     |            |                     |              |                            | \$0          |
|          | Contractor's Overhead and Profit   |     |            |                     |              |                            | \$0          |
|          | Mobilization and Demobilization  |     |            |                     | 0%           |                            | \$0          |
|          | Contractor's General Conditions  |     |            |                     | 0%           |                            | \$0          |
|          | SUBTOTAL Project Phase-Level OPCC Contingency  |     |            |                     |              |                            | \$16,530,000 |
|          |  |     |            |                     | 0%           | \$0                        |              |
|          | INGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST   |     |            |                     |              |                            | \$16,530,000 |
|          | Construction Contingency   |     |            |                     |              |                            | \$0          |
|          | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and Legal and Admin |     |            |                     |              |                            | \$0          |
|          | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST  |     |            |                     |              |                            | \$16,530,000 |



**OPPC PROVIDED BY:** Niloofar S.

**REVIEWED BY:** CEH



OWNER: Sonoma Water LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05
Sheet Title: Cluster 10

Element #: 24

|    | DESCRIPTION   | QTY | UNIT   | UNIT COST   | COST        | COST        | TOTAL COST  |
|----|---|-----|--------|-------------|-------------|-------------|-------------|
| 1  | Cluster 10 Collection System  | 70  | Parcel | \$105,800   | \$7,406,000 | \$0         | \$7,406,000 |
| 2  | Cluster 10 Raw Wastewater Pump Station  | 1   | EA     | \$1,840,000 | \$1,840,000 | \$0         | \$1,840,000 |
| 3  |   |     |        |             |             |             |             |
| 4  |   |     |        |             |             |             |             |
| 5  |   |     |        |             |             |             |             |
| 6  |   |     |        |             |             |             |             |
| 7  |   |     |        |             |             |             |             |
| 8  |   |     |        |             |             |             |             |
| 9  |   |     |        |             |             |             |             |
| 10 |   |     |        |             |             |             |             |
| 11 |   |     |        |             |             |             |             |
|    | SUBTOTAL  |     |        |             |             |             | \$9,246,000 |
|    | Plant Paving, Grading, and Yard Piping  | 0%  |        | \$0         |             |             |             |
|    | Mechanical and Piping   |     |        |             |             |             | \$0         |
|    | Electrical  |     |        |             | 0%          |             | \$0         |
|    | Instrumentation and Controls  |     |        |             |             |             | \$0         |
|    | SUBTOTAL  |     |        |             |             |             | \$9,250,000 |
|    | Tax on Materials  |     |        |             |             |             | \$0         |
|    | Contractor's Markup on Sub-Contractors' Work  |     |        |             |             |             | \$0         |
|    | Contractor's Overhead and Profit  |     |        |             |             |             | \$0         |
|    | Mobilization and Demobilization   |     |        |             |             |             | \$0         |
|    | Contractor's General Conditions  SUBTOTAL  Project Phase-Level OPCC Contingency  ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST |     |        |             |             |             | \$0         |
|    |   |     |        |             |             |             | \$9,250,000 |
|    |   |     |        |             |             |             | \$0         |
|    |   |     |        |             |             | \$9,250,000 |             |
|    | Construction Contingency  |     |        |             |             |             | \$0         |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and Legal and Admin                                    |     |        |             |             |             | \$0         |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST   |     |        |             |             |             | \$9,250,000 |



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**REVIEWED BY:** CEH



OWNER: Sonoma Water LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05
Sheet Title: Cluster 11

Element #: 25

|    | DESCRIPTION  | QTY      | UNIT   | UNIT COST          | COST         | COST       | TOTAL COST  |  |
|----|--|----------|--------|--------------------|--------------|------------|---|--|
| 1  | Cluster 11 Collection System   | 370      | Parcel |                    | \$37,666,000 |            | \$37,666,000                                      |  |
|    | Cluster 11 Raw Wastewater Pump Station   | 1        | EA     | \$1,930,000        |              |            | \$1,930,000                                       |  |
| 3  | OCSD piping/pumping upsize   | 1        | LS     | \$2,000,000        |              | \$0        |   |  |
| 4  |  |          |        | <i>\$2,000,000</i> | Ψ2,000,000   | γo         | 72,000,000  |  |
| 5  |  |          |        |                    |              |            |   |  |
| 6  |  |          |        |                    |              |            |   |  |
| 7  | +  |          |        |                    |              |            |   |  |
| ⊢- | -  |          |        |                    |              |            |   |  |
| 8  |  |          |        |                    |              |            |   |  |
| 9  |  |          |        |                    |              |            |   |  |
| 10 |  |          |        |                    |              |            |   |  |
| 11 |  |          |        |                    |              |            | 4   |  |
|    | SUBTOTAL   |          |        |                    |              |            |   |  |
|    | Plant Paving, Grading, and Yard Piping   | 0%       |        |                    |              |            |   |  |
|    | Mechanical and Piping  | 0%<br>0% |        |                    |              |            |   |  |
|    | Electrical Instrumentation and Controls  |          |        |                    |              |            |   |  |
|    |  |          |        |                    |              | \$0        |   |  |
|    | SUBTOTAL   |          |        |                    |              |            | \$41,600,000                                      |  |
|    | Tax on Materials   |          |        |                    |              |            | \$0<br>\$41,600,000<br>\$0<br>\$41,600,000<br>\$0 |  |
|    | Contractor's Markup on Sub-Contractors' Work   |          |        |                    |              |            | \$0   |  |
|    | Contractor's Overhead and Profit   |          |        |                    |              |            | \$0   |  |
|    | Mobilization and Demobilization  |          |        |                    |              | \$0        |   |  |
|    | Contractor's General Conditions  SUBTOTAL  Project Phase-Level OPCC Contingency  ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST  Construction Contingency Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and Legal and Admin |          |        |                    |              |            |   |  |
|    |  |          |        |                    |              |            | \$41,600,000                                      |  |
|    |  |          |        |                    |              |            | \$0   |  |
|    |  |          |        |                    |              |            | \$41,600,000                                      |  |
|    |  |          |        |                    |              | \$0        |   |  |
|    |  |          |        |                    |              | \$0<br>\$0 |   |  |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST  |          |        |                    |              |            | \$41,600,000                                      |  |

**OPPC PROVIDED BY:** Niloofar S.

**REVIEWED BY:** CEH



OWNER: Sonoma Water LOCATION: Sonoma County, CA

WYA Project #: 798-50-24-05
Sheet Title: Cluster 12

lement #: 26

|    | DESCRIPTION  | QTY | UNIT         | UNIT COST | COST         | COST         | TOTAL COST   |  |
|----|--|-----|--------------|-----------|--------------|--------------|--------------|--|
| 1  | Cluster 12 Collection System   | 781 | Parcel       | \$111,667 | \$87,211,667 | \$0          | \$87,212,000 |  |
| 2  |  |     |              |           |              |              |              |  |
| 3  |  |     |              |           |              |              |              |  |
| 4  |  |     |              |           |              |              |              |  |
| 5  |  |     |              |           |              |              |              |  |
| 6  |  |     |              |           |              |              |              |  |
| 7  |  |     |              |           |              |              |              |  |
| 8  |  |     |              |           |              |              |              |  |
| 9  |  |     |              |           |              |              |              |  |
| 10 |  |     |              |           |              |              |              |  |
| 11 |  |     |              |           |              |              |              |  |
|    | SUBTOTAL   | •   | \$87,212,000 |           |              |              |              |  |
|    | Plant Paving, Grading, and Yard Piping   | 0%  |              | \$0       |              |              |              |  |
|    | Mechanical and Piping  |     |              |           |              |              | \$0          |  |
|    | Electrical   |     |              |           |              |              | \$0          |  |
|    | Instrumentation and Controls   |     |              |           |              |              | \$0          |  |
|    | SUBTOTAL   |     |              |           |              | \$87,210,000 |              |  |
|    | Tax on Materials   |     |              |           |              |              | \$0          |  |
|    | Contractor's Markup on Sub-Contractors' Work   |     |              |           |              |              | \$0          |  |
|    | Contractor's Overhead and Profit   |     |              |           |              |              | \$0          |  |
|    | Mobilization and Demobilization  |     |              |           |              |              | \$0          |  |
|    | Contractor's General Conditions  | 0%  |              | \$0       |              |              |              |  |
|    | SUBTOTAL   |     |              |           |              |              | \$87,210,000 |  |
|    | Project Phase-Level OPCC Contingency   |     |              |           |              |              | \$0          |  |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST   |     |              |           |              |              | \$87,210,000 |  |
|    | Construction Contingency   |     |              |           |              |              | \$0          |  |
|    | Engineering Design, Environmental Planning and Studies, Construction Management, ESDC, and Legal and Admin |     |              |           |              |              | \$0          |  |
|    | ENGINEER'S PRELIMINARY OPINION OF PROBABLE TOTAL CAPITAL COST  |     |              |           |              |              | \$87,210,000 |  |

**OPPC PROVIDED BY:** Niloofar S.

**REVIEWED BY:** CEH

**OPPC PREPARATION DATE: 16-Oct-25**