Appendix B. Round 1 Scoring Results of Options Against Criteria

This table shows the average scores for each of the options against a criterion sorted by the weighted total. The number within parentheses in a cell is the average score from participants for that option/criterion combination. The other number in the cell is the average score rounded to the nearest whole number.

Option	Criteria					Total	Mean	STD	Weighted Total
	Cost	Proximity	Volume	Time	Confidence				
Weight	0.70	1.30	1.40	0.60	1.00				
Capture roof runoff at downspouts in SRCZ and route water to existing lined ditches and evaporation pond	5(5.14)	6(5.63)	4(3.71)	7(6.50)	6(5.71)	26.70	5(5.34)	1.03	25.73
Eliminate water through unnecessary cooling discharges to service waste by 400 to 500 gpm	5(5.00)	5(5.25)	5(5.25)	6(5.50)	4(3.75)	24.75	5(4.95)	0.69	24.72
Perform pipeline valve isolation tests to identify leaky segments in suspect areas based on water levels and/or Perform pipeline hydrostatic testing to identify leaky segments.	5(5.14)	6(5.75)	4(3.88)	6(5.50)	4(4.00)	24.27	5(4.85)	0.86	23.80
Expand paved areas secondary recharge area and Extend concrete-lined ditches to areas further away from tank farm (within secondary zone)	1(1.13)	5(5.25)	5(5.38)	5(4.75)	5(5.38)	21.88	4(4.38)	1.83	23.36
Revegetate with dry land species outside the SRCZ	5(4.86)	4(3.63)	5(4.57)	6(6.13)	5(4.57)	23.75	5(4.75)	0.90	22.76
Eliminate lawn watering	7(6.86)	5(4.71)	3(3.00)	7(7.00)	3(3.14)	24.71	5(4.94)	1.93	22.47
Eliminate steam condensate drip leg discharges to ground	6(6.25)	6(6.00)	1(1.14)	7(6.88)	4(4.14)	24.41	5(4.88)	2.32	22.04
Extend concrete-lined ditches to areas further away from tank	3(3.29)	5(4.63)	4(4.00)	6(6.00)	4(4.29)	22.20	4(4.44)	1.00	21.80

Option	Criteria					Total	Mean	STD	Weighted Total
	Cost	Proximity	Volume	Time	Confidence				
farm (within secondary zone)									
Conduct regular water balance calculations to highlight changes in system flows that could indicate leaks	5(5.38)	5(5.43)	3(2.57)	7(7.00)	3(2.75)	23.13	5(4.63)	1.91	21.37
Establish snow accumulation areas that drain to existing lined ditches and evaporation pond	6(6.14)	5(5.00)	2(2.00)	7(6.75)	4(3.57)	23.46	5(4.69)	1.93	21.22
Install asphalt or concrete in unlined north ditch to eliminate infiltration	4(4.43)	3(3.00)	4(3.86)	6(5.88)	5(5.14)	22.30	4(4.46)	1.11	21.07
Seal selected lift station bottom drains and Maintain and/or upgrade existing stormwater drainage system to better shed stormwater	6(5.86)	3(3.38)	3(3.29)	6(6.38)	4(4.14)	23.04	5(4.61)	1.43	21.06
Apply fixative on graded gravel areas	5(4.86)	5(4.57)	3(3.00)	6(6.38)	3(3.38)	22.18	4(4.44)	1.34	20.74
Install additional flow meters on key water distribution pipelines	6(5.57)	5(5.00)	3(2.57)	7(6.88)	3(2.50)	22.52	5(4.50)	1.92	20.62
Each year, perform pipeline leak testing using tracers (e.g. helium gas) to pinpoint leaks on selective pipes (e.g. 5 tests per year).	3(2.75)	6(5.50)	3(3.38)	6(6.00)	3(3.13)	20.75	4(4.15)	1.49	20.52
Eliminate cooling water discharges to unlined ditches	5(4.88)	4(3.86)	3(2.88)	7(6.63)	4(4.00)	22.23	4(4.45)	1.41	20.43
Maintain and/or upgrade existing stormwater drainage system in south and west, and the eastern side of Olive Ave. to better shed stormwater	3(3.29)	4(3.71)	4(3.71)	6(5.88)	4(4.13)	20.71	4(4.14)	1.01	19.98
Upgrade existing water system flow meters with telemetry for real-time flow data monitoring	5(4.86)	5(5.00)	3(2.57)	7(6.75)	2(2.38)	21.55	4(4.31)	1.84	19.92
Properly maintain the lawn	5(5.14)	5(4.71)	3(2.57)	7(6.88)	2(2.43)	21.73	4(4.35)	1.87	19.88

Option	Criteria					Total	Mean	STD	Weighted Total
	Cost	Proximity	Volume	Time	Confidence				
Equip selected perched monitoring wells with telemetry for real-time water level monitoring (for immediate notification of sudden water level increases)	4(4.29)	5(5.29)	3(2.71)	7(6.50)	2(2.14)	20.93	4(4.19)	1.80	19.71
Capture firewater discharges during annual fire hydrant testing	6(5.50)	4(4.43)	1(1.43)	7(6.88)	3(3.00)	21.23	4(4.25)	2.12	18.73
Regrade bare gravel areas to north and east of SRCZ to shed stormwater better and Install asphalt or concrete in unlined north ditch to eliminate infiltration	5(4.86)	3(3.25)	3(3.43)	6(5.63)	3(2.86)	20.02	4(4.00)	1.18	18.66
Regrade inside the SRCZ	5(4.57)	5(4.75)	2(2.14)	6(6.00)	2(2.25)	19.71	4(3.94)	1.69	18.22
Eliminate remaining septic tank leachfields (CPP-626, -655, and -656)	4(4.43)	2(2.14)	3(3.00)	5(5.25)	3(3.43)	18.25	4(3.65)	1.22	16.66
Eliminate CPP-697 heat pump discharge to ground	7(6.50)	2(2.38)	1(1.00)	7(6.75)	3(3.25)	19.88	4(3.98)	2.55	16.34
Line segment of Big Lost River channel to eliminate streambed infiltration	2(1.50)	1(1.13)	6(6.00)	4(4.25)	1(1.38)	14.25	3(2.85)	2.17	14.84
Total	122.45	113.36	83.04	160.88	90.82				
Mean	5(4.71)	4(4.36)	3(3.19)	6(6.19)	3(3.49)				
STD	1.38	1.22	1.23	0.72	1.05				

The following table shows the distribution of scores (1-7) across the five criteria for each of the options. The number within a criteria/option cell indicates the number of participants that used that score for that criterion. Within an option, the criteria are sorted from the highest to the lowest score. Footnotes reference explanations provided by participants regarding why they scored a criteria/site combination.

Total scores are calculated by multiplying the score of an item by the total number of participants placing it at that score. For example, if a list can score 1-7, the top choice is given a weight of 7, the next choice is given a weight of 6, and the last item is given a weight of 1. If two participants ranked an item as their top choice, its rank sum is 14.

Option	Score							Total	Mean	STD	n	Weighted Total	VCC[1]
	1	2	3	4	5	6	7						
Expand paved areas secondary recharge area and Extend concrete-lined ditches to areas further away from tank farm (within secondary zone)													
Confidence (1.00)			1	1	3		3	43	5(5.38)	1.51	8	5.38	0.50
Volume (1.40)	1			2		1	4	43	5(5.38)	2.20	8	7.52	0.27
Proximity (1.30)			1		5		2	42	5(5.25)	1.28	8	6.82	0.57
Time (0.60)	1			3	1	1	2	38	5(4.75)	1.98	8	2.85	0.34
Cost (0.70)	7	1						9	1(1.13)	0.35	8	0.79	0.88
Extend concrete-lined ditches to areas further away from tank farm (within secondary zone)													
Time (0.60)				2		2	4	48	6(6.00)	1.31	8	3.60	0.56
Proximity (1.30)		1		2	3	2		37	5(4.63)	1.30	8	6.01	0.57
Confidence (1.00)		2		2	1	1	1	30	4(4.29)	1.89	7	4.29	0.37
Volume (1.40)		2		2	2	1		28	4(4.00)	1.53	7	5.60	0.49
Cost (0.70)	2		2	1	1	1		23	3(3.29)	1.89	7	2.30	0.37
Install asphalt or concrete in unlined north ditch to eliminate infiltration													
Time (0.60)				1	2	2	3	47	6(5.88)	1.13	8	3.53	0.62
Confidence (1.00)		1		1	2	1	2	36	5(5.14)	1.77	7	5.14	0.41
Cost (0.70)		1	2		1	3		31	4(4.43)	1.72	7	3.10	0.43
Volume (1.40)		1	2	1	3			27	4(3.86)	1.21	7	5.40	0.60
Proximity (1.30)			8					24	3(3.00)	0.00	8	3.90	1.00
Capture roof runoff at downspouts in SRCZ and route water to existing lined ditches and evaporation pond													
Time (0.60)				1		1	6	52	7(6.50)	1.07	8	3.90	0.64
Confidence (1.00)				1	2	2	2	40	6(5.71)	1.11	7	5.71	0.63
Proximity (1.30)				1	4		3	45	6(5.63)	1.19	8	7.31	0.60

[1] VCC is a measure of the agreement and disagreement on the group's rating. The smaller the spread compared to the possible range, the better the level of consensus. A value of 1.00 represents complete consensus while a value of 0.00 represents no consensus.

Option	Score							Total	Mean	STD	n	Weighted Total	VCC[1]
	1	2	3	4	5	6	7						
Cost (0.70)		1		1	2	1	2	36	5(5.14)	1.77	7	3.60	0.41
Volume (1.40)		2	1	2	1	1		26	4(3.71)	1.50	7	5.20	0.50
Establish snow accumulation areas that drain to existing lined ditches and evaporation pond													
Time (0.60)						2	6	54	7(6.75)	0.46	8	4.05	0.85
Cost (0.70)			1			2	4	43	6(6.14)	1.46	7	4.30	0.51
Proximity (1.30)			1		4	2		35	5(5.00)	1.00	7	6.50	0.67
Confidence (1.00)	2	1		1	1	2		25	4(3.57)	2.23	7	3.57	0.26
Volume (1.40)	5	2					1	16	2(2.00)	2.07	8	2.80	0.31
Seal selected lift station bottom drains and Maintain and/or upgrade existing stormwater drainage system to better shed stormwater													
Time (0.60)				1	1		6	51	6(6.38)	1.19	8	3.83	0.60
Cost (0.70)					4		3	41	6(5.86)	1.07	7	4.10	0.64
Confidence (1.00)		1	2	1	1	2		29	4(4.14)	1.57	7	4.14	0.48
Proximity (1.30)	2	1	2	1		1	1	27	3(3.38)	2.20	8	4.39	0.27
Volume (1.40)	2	1	1		2	1		23	3(3.29)	2.06	7	4.60	0.31
Regrade bare gravel areas to north and east of SRCZ to shed stormwater better and Install asphalt or concrete in unlined north ditch to eliminate infiltration													
Time (0.60)		1			3		4	45	6(5.63)	1.77	8	3.38	0.41
Cost (0.70)			2	1	1	2	1	34	5(4.86)	1.57	7	3.40	0.48
Volume (1.40)	1	2	1	1	1		1	24	3(3.43)	2.07	7	4.80	0.31
Proximity (1.30)			7		1			26	3(3.25)	0.71	8	4.22	0.76
Confidence (1.00)	1	1	4		1			20	3(2.86)	1.21	7	2.86	0.60
Maintain and/or upgrade existing stormwater drainage system in south and west, and the eastern side of Olive Ave. to better shed stormwater													
Time (0.60)				1	1	4	2	47	6(5.88)	0.99	8	3.53	0.67
Confidence (1.00)	1		1	3	1	2		33	4(4.13)	1.64	8	4.13	0.45
Proximity (1.30)	1		2	1	3			26	4(3.71)	1.50	7	4.83	0.50
Volume (1.40)	1	1	1	1	2	1		26	4(3.71)	1.80	7	5.20	0.40
Cost (0.70)		2	3	1		1		23	3(3.29)	1.38	7	2.30	0.54
Line segment of Big Lost River channel to eliminate streambed infiltration													
Volume (1.40)		1		1			6	48	6(6.00)	1.93	8	8.40	0.36

Option	Score							Total	Mean	STD	n	Weighted Total	VCC[1]
	1	2	3	4	5	6	7						
Time (0.60)	1	2		1	1	1	2	34	4(4.25)	2.38	8	2.55	0.21
Cost (0.70)	7				1			12	2(1.50)	1.41	8	1.05	0.53
Confidence (1.00)	5	3						11	1(1.38)	0.52	8	1.38	0.83
Proximity (1.30)	7	1						9	1(1.13)	0.35	8	1.46	0.88
Regrade inside the SRCZ													
Time (0.60)			1	1		1	5	48	6(6.00)	1.60	8	3.60	0.47
Proximity (1.30)			1		7			38	5(4.75)	0.71	8	6.17	0.76
Cost (0.70)			2	1	2	2		32	5(4.57)	1.27	7	3.20	0.58
Confidence (1.00)	2	3	2	1				18	2(2.25)	1.04	8	2.25	0.65
Volume (1.40)	3	2	1		1			15	2(2.14)	1.46	7	3.00	0.51
Revegetate with dry land species outside the SRCZ													
Time (0.60)				2		1	5	49	6(6.13)	1.36	8	3.68	0.55
Cost (0.70)			1	2	2	1	1	34	5(4.86)	1.35	7	3.40	0.55
Confidence (1.00)			3		2	1	1	32	5(4.57)	1.62	7	4.57	0.46
Volume (1.40)		1	2	1		1	2	32	5(4.57)	2.07	7	6.40	0.31
Proximity (1.30)			5	1	2			29	4(3.63)	0.92	8	4.71	0.69
Apply fixative on graded gravel areas													
Time (0.60)				1		2	5	51	6(6.38)	1.06	8	3.83	0.65
Cost (0.70)		1		1	2	3		34	5(4.86)	1.46	7	3.40	0.51
Proximity (1.30)			1	1	5			32	5(4.57)	0.79	7	5.94	0.74
Confidence (1.00)	1	2	1	2	1	1		27	3(3.38)	1.69	8	3.38	0.44
Volume (1.40)	1	3	1	1			1	21	3(3.00)	2.00	7	4.20	0.33
Eliminate lawn watering													
Time (0.60)							8	56	7(7.00)	0.00	8	4.20	1.00
Cost (0.70)						1	6	48	7(6.86)	0.38	7	4.80	0.87
Proximity (1.30)				2	5			33	5(4.71)	0.49	7	6.13	0.84
Confidence (1.00)		3	2		2			22	3(3.14)	1.35	7	3.14	0.55
Volume (1.40)	1	3	1	1			1	21	3(3.00)	2.00	7	4.20	0.33
Properly maintain the lawn													
Time (0.60)						1	7	55	7(6.88)	0.35	8	4.13	0.88

Option	Score							Total	Mean	STD	n	Weighted Total	VCC[1]
	1	2	3	4	5	6	7						
Cost (0.70)			2		2	1	2	36	5(5.14)	1.68	7	3.60	0.44
Proximity (1.30)				2	5			33	5(4.71)	0.49	7	6.13	0.84
Volume (1.40)	2	3		1		1		18	3(2.57)	1.81	7	3.60	0.40
Confidence (1.00)	2	2	2		1			17	2(2.43)	1.40	7	2.43	0.53
Eliminate remaining septic tank leachfields (CPP-626, -655, and -656)													
Time (0.60)			1	2	2		3	42	5(5.25)	1.58	8	3.15	0.47
Cost (0.70)			2	1	3	1		31	4(4.43)	1.13	7	3.10	0.62
Confidence (1.00)	1	3		1		1	1	24	3(3.43)	2.30	7	3.43	0.23
Volume (1.40)		3	2	1	1			21	3(3.00)	1.15	7	4.20	0.62
Proximity (1.30)	3		4					15	2(2.14)	1.07	7	2.79	0.64
Eliminate CPP-697 heat pump discharge to ground													
Time (0.60)					1		7	54	7(6.75)	0.71	8	4.05	0.76
Cost (0.70)					1	2	5	52	7(6.50)	0.76	8	4.55	0.75
Confidence (1.00)	3	2				2	1	26	3(3.25)	2.60	8	3.25	0.13
Proximity (1.30)	1	3	4					19	2(2.38)	0.74	8	3.09	0.75
Volume (1.40)	8							8	1(1.00)	0.00	8	1.40	1.00
Eliminate steam condensate drip leg discharges to ground													
Time (0.60)						1	7	55	7(6.88)	0.35	8	4.13	0.88
Cost (0.70)					2	2	4	50	6(6.25)	0.89	8	4.37	0.70
Proximity (1.30)				1	2	1	4	48	6(6.00)	1.20	8	7.80	0.60
Confidence (1.00)	2		1	1		1	2	29	4(4.14)	2.61	7	4.14	0.13
Volume (1.40)	6	1						8	1(1.14)	0.38	7	1.60	0.87
Capture firewater discharges during annual fire hydrant testing													
Time (0.60)						1	7	55	7(6.88)	0.35	8	4.13	0.88
Cost (0.70)			1	1	1	3	2	44	6(5.50)	1.41	8	3.85	0.53
Proximity (1.30)		2		1	2	1	1	31	4(4.43)	1.90	7	5.76	0.37
Confidence (1.00)	4		1				2	21	3(3.00)	2.83	7	3.00	0.06
Volume (1.40)	5	1	1					10	1(1.43)	0.79	7	2.00	0.74
Eliminate water through unnecessary cooling discharges to service waste by 400 to 500 gpm													
Time (0.60)	1			1		3	3	44	6(5.50)	2.07	8	3.30	0.31

Option	Score							Total	Mean	STD	n	Weighted Total	VCC[1]
	1	2	3	4	5	6	7						
Proximity (1.30)				3	1	3	1	42	5(5.25)	1.16	8	6.82	0.61
Volume (1.40)	2					2	4	42	5(5.25)	2.66	8	7.35	0.11
Cost (0.70)		1	2		1	1	3	40	5(5.00)	2.07	8	3.50	0.31
Confidence (1.00)	2	2		1		1	2	30	4(3.75)	2.60	8	3.75	0.13
Eliminate cooling water discharges to unlined ditches													
Time (0.60)					1	1	6	53	7(6.63)	0.74	8	3.98	0.75
Cost (0.70)			2	1	2	2	1	39	5(4.88)	1.46	8	3.41	0.51
Confidence (1.00)	1	2		1	2	1	1	32	4(4.00)	2.14	8	4.00	0.29
Proximity (1.30)			5			2		27	4(3.86)	1.46	7	5.01	0.51
Volume (1.40)	2	1	2	2	1			23	3(2.88)	1.46	8	4.02	0.51
Install additional flow meters on key water distribution pipelines													
Time (0.60)						1	7	55	7(6.88)	0.35	8	4.13	0.88
Cost (0.70)			1		1	4	1	39	6(5.57)	1.27	7	3.90	0.58
Proximity (1.30)				2	3	2		35	5(5.00)	0.82	7	6.50	0.73
Volume (1.40)	4		1	1			1	18	3(2.57)	2.30	7	3.60	0.23
Confidence (1.00)	3	2		2	1			20	3(2.50)	1.60	8	2.50	0.47
Upgrade existing water system flow meters with telemetry for real-time flow data monitoring													
Time (0.60)						2	6	54	7(6.75)	0.46	8	4.05	0.85
Proximity (1.30)				3	1	3		35	5(5.00)	1.00	7	6.50	0.67
Cost (0.70)			1		5	1		34	5(4.86)	0.90	7	3.40	0.70
Volume (1.40)	4		1	1			1	18	3(2.57)	2.30	7	3.60	0.23
Confidence (1.00)	3	2		3				19	2(2.38)	1.41	8	2.38	0.53
Conduct regular water balance calculations to highlight changes in system flows that could indicate leaks													
Time (0.60)							8	56	7(7.00)	0.00	8	4.20	1.00
Proximity (1.30)				2	1	3	1	38	5(5.43)	1.13	7	7.06	0.62
Cost (0.70)			2		1	3	2	43	5(5.38)	1.60	8	3.76	0.47
Confidence (1.00)	4	1		1	1		1	22	3(2.75)	2.31	8	2.75	0.23
Volume (1.40)	4	1			1		1	18	3(2.57)	2.44	7	3.60	0.19
Equip selected perched monitoring wells with telemetry for real-time water level monitoring (for immediate notification of sudden water level increases)													

Option	Score							Total	Mean	STD	n	Weighted Total	VCC[1]
	1	2	3	4	5	6	7						
Time (0.60)					2		6	52	7(6.50)	0.93	8	3.90	0.69
Proximity (1.30)				1	3	3		37	5(5.29)	0.76	7	6.87	0.75
Cost (0.70)			3	1	2		1	30	4(4.29)	1.50	7	3.00	0.50
Volume (1.40)	3	1	1		1	1		19	3(2.71)	2.06	7	3.80	0.31
Confidence (1.00)	3	1	2	1				15	2(2.14)	1.21	7	2.14	0.60
Perform pipeline valve isolation tests to identify leaky segments in suspect areas based on water levels and/or Perform pipeline hydrostatic testing to identify leaky segments.													
Proximity (1.30)					3	4	1	46	6(5.75)	0.71	8	7.47	0.76
Time (0.60)	1		1			2	4	44	6(5.50)	2.27	8	3.30	0.24
Cost (0.70)			1	2		3	1	36	5(5.14)	1.46	7	3.60	0.51
Confidence (1.00)		2	2	2			2	32	4(4.00)	2.00	8	4.00	0.33
Volume (1.40)	1	2	1	1	1		2	31	4(3.88)	2.30	8	5.42	0.23
Each year, perform pipeline leak testing using tracers (e.g. helium gas) to pinpoint leaks on selective pipes (e.g. 5 tests per year).													
Time (0.60)	1					2	5	48	6(6.00)	2.07	8	3.60	0.31
Proximity (1.30)				1	3	3	1	44	6(5.50)	0.93	8	7.15	0.69
Volume (1.40)	2	2	1	1			2	27	3(3.38)	2.45	8	4.72	0.18
Confidence (1.00)	1	4	1			1	1	25	3(3.13)	2.17	8	3.13	0.28
Cost (0.70)	4	1		1	1		1	22	3(2.75)	2.31	8	1.92	0.23

Appendix C. Round 2 Scoring Results of Options Against Criteria

This table shows the average scores for each of the options against a criterion sorted by the weighted total. The number within parentheses in a cell is the average score from participants for that option/criterion combination. The other number in the cell is the average score rounded to the nearest whole number.

Option	Criteria					Total	Mean	STD	Weighted Total
	Cost	Proximity	Volume	Time	Confidence				
Weight	0.70	1.30	1.40	0.60	1.00				
Capture roof runoff at downspouts in SRCZ and route water to existing lined ditches and evaporation pond	5(5.43)	6(5.63)	4(3.71)	7(6.50)	6(5.71)	26.98	5(5.40)	1.02	25.93
Perform pipeline valve isolation tests to identify leaky segments in suspect areas based on water levels and/or Perform pipeline hydrostatic testing to identify leaky segments.	5(5.14)	6(5.75)	4(3.88)	6(5.50)	4(4.00)	24.27	5(4.85)	0.86	23.80
Expand paved areas secondary recharge area and Extend concrete-lined ditches to areas further away from tank farm (within secondary zone)	1(1.13)	5(5.25)	5(5.38)	5(4.75)	5(5.38)	21.88	4(4.38)	1.83	23.36
Eliminate lawn watering	7(6.86)	5(4.71)	3(3.00)	7(7.00)	3(3.14)	24.71	5(4.94)	1.93	22.47
Revegetate with dry land species outside the SRCZ	5(4.86)	4(3.63)	4(4.29)	6(6.13)	5(4.57)	23.46	5(4.69)	0.92	22.36
Eliminate steam condensate drip leg discharges to ground	6(6.25)	6(6.00)	1(1.14)	7(6.88)	4(4.14)	24.41	5(4.88)	2.32	22.04
Extend concrete-lined ditches to areas further away from tank farm (within secondary zone)	3(3.29)	5(4.63)	4(4.00)	6(6.00)	4(4.29)	22.20	4(4.44)	1.00	21.80
Conduct regular water balance calculations to highlight changes in system flows that could indicate leaks	5(5.38)	5(5.43)	3(2.57)	7(7.00)	3(2.88)	23.25	5(4.65)	1.88	21.49
Establish snow accumulation areas that drain to existing lined ditches and evaporation pond	6(6.14)	5(5.00)	2(2.00)	7(6.75)	4(3.57)	23.46	5(4.69)	1.93	21.22

Option	Criteria					Total	Mean	STD	Weighted Total
	Cost	Proximity	Volume	Time	Confidence				
Install asphalt or concrete in unlined north ditch to eliminate infiltration	4(4.43)	3(3.00)	4(3.86)	6(5.88)	5(5.14)	22.30	4(4.46)	1.11	21.07
Seal selected lift station bottom drains and Maintain and/or upgrade existing stormwater drainage system to better shed stormwater	6(5.86)	3(3.38)	3(3.29)	6(6.38)	4(4.14)	23.04	5(4.61)	1.43	21.06
Apply fixative on graded gravel areas	5(4.86)	5(4.57)	3(3.00)	6(6.38)	3(3.38)	22.18	4(4.44)	1.34	20.74
Install additional flow meters on key water distribution pipelines	6(5.57)	5(5.00)	3(2.57)	7(6.88)	3(2.50)	22.52	5(4.50)	1.92	20.62
Each year, perform pipeline leak testing using tracers (e.g. helium gas) to pinpoint leaks on selective pipes (e.g. 5 tests per year).	3(2.75)	6(5.50)	3(3.38)	6(6.00)	3(3.13)	20.75	4(4.15)	1.49	20.52
Eliminate cooling water discharges to unlined ditches	5(4.88)	4(3.86)	3(2.88)	7(6.63)	4(4.00)	22.23	4(4.45)	1.41	20.43
Maintain and/or upgrade existing stormwater drainage system in south and west, and the eastern side of Olive Ave. to better shed stormwater	3(3.29)	4(3.71)	4(3.71)	6(5.88)	4(4.13)	20.71	4(4.14)	1.01	19.98
Upgrade existing water system flow meters with telemetry for real-time flow data monitoring	5(4.86)	5(5.00)	3(2.57)	7(6.75)	2(2.38)	21.55	4(4.31)	1.84	19.92
Properly maintain the lawn	5(5.14)	5(4.71)	3(2.57)	7(6.88)	2(2.43)	21.73	4(4.35)	1.87	19.88
Equip selected perched monitoring wells with telemetry for real-time water level monitoring (for immediate notification of sudden water level increases)	4(4.29)	5(5.29)	3(2.71)	7(6.50)	2(2.14)	20.93	4(4.19)	1.80	19.71
Capture firewater discharges during annual fire hydrant testing	6(5.50)	4(4.43)	1(1.43)	7(6.88)	3(3.00)	21.23	4(4.25)	2.12	18.73
Regrade bare gravel areas to north and east of SRCZ to shed stormwater better and Install	5(4.86)	3(3.25)	3(3.43)	6(5.63)	3(2.86)	20.02	4(4.00)	1.18	18.66

Option	Criteria					Total	Mean	STD	Weighted Total
	Cost	Proximity	Volume	Time	Confidence				
asphalt or concrete in unlined north ditch to eliminate infiltration									
Regrade inside the SRCZ	5(4.57)	5(4.75)	2(2.14)	6(6.00)	2(2.25)	19.71	4(3.94)	1.69	18.22
Eliminate water through unnecessary cooling discharges to service waste by 400 to 500 gpm	4(4.13)	6(5.50)	1(1.13)	6(5.50)	3(3.00)	19.25	4(3.85)	1.85	17.91
Eliminate remaining septic tank leachfields (CPP-626, -655, and -656)	4(4.43)	2(2.14)	3(3.00)	5(5.25)	3(3.43)	18.25	4(3.65)	1.22	16.66
Eliminate CPP-697 heat pump discharge to ground	7(6.50)	2(2.38)	1(1.00)	7(6.75)	3(3.25)	19.88	4(3.98)	2.55	16.34
Line segment of Big Lost River channel to eliminate streambed infiltration	2(1.50)	1(1.13)	6(6.00)	4(4.25)	1(1.38)	14.25	3(2.85)	2.17	14.84
Total	121.86	113.61	78.63	160.88	90.20				
Mean	5(4.69)	4(4.37)	3(3.02)	6(6.19)	3(3.47)				
STD	1.39	1.23	1.20	0.72	1.05				

The following table shows the distribution of scores (1-7) across the five criteria for each of the options. The number within a criteria/option cell indicates the number of participants that used that score for that criterion. Within an option, the criteria are sorted from the highest to the lowest score. Footnotes reference explanations provided by participants regarding why they scored a criteria/site combination.

Total sores are calculated by multiplying the score of an item by the total number of participants placing it at that score. For example, if a list can score 1-7, the top choice is given a weight of 7, the next choice is given a weight of 6, and the last item is given a weight of 1. If two participants ranked an item as their top choice, its rank sum is 14.

Option	Score							Total	Mean	STD	n	Weighted Total	VCC
	1	2	3	4	5	6	7						
1. Expand paved areas secondary recharge area and Extend concrete-lined ditches to areas further away from tank farm (within secondary zone)													
Confidence (1.00)			1	1	3		3	43	5(5.38)	1.51	8	5.38	0.50

Option	Score							Total	Mean	STD	n	Weighted Total	VCC
	1	2	3	4	5	6	7						
Volume (1.40)	1			2		1	4	43	5(5.38)	2.20	8	7.52	0.27
Proximity (1.30)			1		5		2	42	5(5.25)	1.28	8	6.82	0.57
Time (0.60)	1			3	1	1	2	38	5(4.75)	1.98	8	2.85	0.34
Cost (0.70)	7	1						9	1(1.13)	0.35	8	0.79	0.88
2. Extend concrete-lined ditches to areas further away from tank farm (within secondary zone)													
Time (0.60)				2		2	4	48	6(6.00)	1.31	8	3.60	0.56
Proximity (1.30)		1		2	3	2		37	5(4.63)	1.30	8	6.01	0.57
Confidence (1.00)		2		2	1	1	1	30	4(4.29)	1.89	7	4.29	0.37
Volume (1.40)		2		2	2	1		28	4(4.00)	1.53	7	5.60	0.49
Cost (0.70)	2		2	1	1	1		23	3(3.29)	1.89	7	2.30	0.37
3. Install asphalt or concrete in unlined north ditch to eliminate infiltration													
Time (0.60)				1	2	2	3	47	6(5.88)	1.13	8	3.53	0.62
Confidence (1.00)		1		1	2	1	2	36	5(5.14)	1.77	7	5.14	0.41
Cost (0.70)		1	2		1	3		31	4(4.43)	1.72	7	3.10	0.43
Volume (1.40)		1	2	1	3			27	4(3.86)	1.21	7	5.40	0.60
Proximity (1.30)			8					24	3(3.00)	0.00	8	3.90	1.00
4. Capture roof runoff at downspouts in SRCZ and route water to existing lined ditches and evaporation pond													
Time (0.60)				1		1	6	52	7(6.50)	1.07	8	3.90	0.64
Confidence (1.00)				1	2	2	2	40	6(5.71)	1.11	7	5.71	0.63
Proximity (1.30)				1	4		3	45	6(5.63)	1.19	8	7.31	0.60
Cost (0.70)		1			2	2	2	38	5(5.43)	1.72	7	3.80	0.43
Volume (1.40)		2	1	2	1	1		26	4(3.71)	1.50	7	5.20	0.50
5. Establish snow accumulation areas that drain to existing lined ditches and evaporation pond													
Time (0.60)						2	6	54	7(6.75)	0.46	8	4.05	0.85
Cost (0.70)			1			2	4	43	6(6.14)	1.46	7	4.30	0.51
Proximity (1.30)			1		4	2		35	5(5.00)	1.00	7	6.50	0.67
Confidence (1.00)	2	1		1	1	2		25	4(3.57)	2.23	7	3.57	0.26
Volume (1.40)	5	2					1	16	2(2.00)	2.07	8	2.80	0.31
6. Seal selected lift station bottom drains and Maintain and/or upgrade existing stormwater drainage system to better shed stormwater													

Option	Score							Total	Mean	STD	n	Weighted Total	VCC
	1	2	3	4	5	6	7						
Time (0.60)				1	1		6	51	6(6.38)	1.19	8	3.83	0.60
Cost (0.70)					4		3	41	6(5.86)	1.07	7	4.10	0.64
Confidence (1.00)		1	2	1	1	2		29	4(4.14)	1.57	7	4.14	0.48
Proximity (1.30)	2	1	2	1		1	1	27	3(3.38)	2.20	8	4.39	0.27
Volume (1.40)	2	1	1		2	1		23	3(3.29)	2.06	7	4.60	0.31
7. Regrade bare gravel areas to north and east of SRCZ to shed stormwater better and Install asphalt or concrete in unlined north ditch to eliminate infiltration													
Time (0.60)		1			3		4	45	6(5.63)	1.77	8	3.38	0.41
Cost (0.70)			2	1	1	2	1	34	5(4.86)	1.57	7	3.40	0.48
Volume (1.40)	1	2	1	1	1		1	24	3(3.43)	2.07	7	4.80	0.31
Proximity (1.30)			7		1			26	3(3.25)	0.71	8	4.22	0.76
Confidence (1.00)	1	1	4		1			20	3(2.86)	1.21	7	2.86	0.60
8. Maintain and/or upgrade existing stormwater drainage system in south and west, and the eastern side of Olive Ave. to better shed stormwater													
Time (0.60)				1	1	4	2	47	6(5.88)	0.99	8	3.53	0.67
Confidence (1.00)	1		1	3	1	2		33	4(4.13)	1.64	8	4.13	0.45
Proximity (1.30)	1		2	1	3			26	4(3.71)	1.50	7	4.83	0.50
Volume (1.40)	1	1	1	1	2	1		26	4(3.71)	1.80	7	5.20	0.40
Cost (0.70)		2	3	1		1		23	3(3.29)	1.38	7	2.30	0.54
9. Line segment of Big Lost River channel to eliminate streambed infiltration													
Volume (1.40)		1		1			6	48	6(6.00)	1.93	8	8.40	0.36
Time (0.60)	1	2		1	1	1	2	34	4(4.25)	2.38	8	2.55	0.21
Cost (0.70)	7				1			12	2(1.50)	1.41	8	1.05	0.53
Confidence (1.00)	5	3						11	1(1.38)	0.52	8	1.38	0.83
Proximity (1.30)	7	1						9	1(1.13)	0.35	8	1.46	0.88
10. Regrade inside the SRCZ													
Time (0.60)			1	1		1	5	48	6(6.00)	1.60	8	3.60	0.47
Proximity (1.30)			1		7			38	5(4.75)	0.71	8	6.17	0.76
Cost (0.70)			2	1	2	2		32	5(4.57)	1.27	7	3.20	0.58
Confidence (1.00)	2	3	2	1				18	2(2.25)	1.04	8	2.25	0.65

Option	Score							Total	Mean	STD	n	Weighted Total	VCC
	1	2	3	4	5	6	7						
Volume (1.40)	3	2	1		1			15	2(2.14)	1.46	7	3.00	0.51
11. Revegetate with dry land species outside the SRCZ													
Time (0.60)				2		1	5	49	6(6.13)	1.36	8	3.68	0.55
Cost (0.70)			1	2	2	1	1	34	5(4.86)	1.35	7	3.40	0.55
Confidence (1.00)			3		2	1	1	32	5(4.57)	1.62	7	4.57	0.46
Volume (1.40)		1	2	2			2	30	4(4.29)	1.98	7	6.00	0.34
Proximity (1.30)			5	1	2			29	4(3.63)	0.92	8	4.71	0.69
12. Apply fixative on graded gravel areas													
Time (0.60)				1		2	5	51	6(6.38)	1.06	8	3.83	0.65
Cost (0.70)		1		1	2	3		34	5(4.86)	1.46	7	3.40	0.51
Proximity (1.30)			1	1	5			32	5(4.57)	0.79	7	5.94	0.74
Confidence (1.00)	1	2	1	2	1	1		27	3(3.38)	1.69	8	3.38	0.44
Volume (1.40)	1	3	1	1			1	21	3(3.00)	2.00	7	4.20	0.33
13. Eliminate lawn watering													
Time (0.60)							8	56	7(7.00)	0.00	8	4.20	1.00
Cost (0.70)						1	6	48	7(6.86)	0.38	7	4.80	0.87
Proximity (1.30)				2	5			33	5(4.71)	0.49	7	6.13	0.84
Confidence (1.00)		3	2		2			22	3(3.14)	1.35	7	3.14	0.55
Volume (1.40)	1	3	1	1			1	21	3(3.00)	2.00	7	4.20	0.33
14. Properly maintain the lawn													
Time (0.60)						1	7	55	7(6.88)	0.35	8	4.13	0.88
Cost (0.70)			2		2	1	2	36	5(5.14)	1.68	7	3.60	0.44
Proximity (1.30)				2	5			33	5(4.71)	0.49	7	6.13	0.84
Volume (1.40)	2	3		1		1		18	3(2.57)	1.81	7	3.60	0.40
Confidence (1.00)	2	2	2		1			17	2(2.43)	1.40	7	2.43	0.53
15. Eliminate remaining septic tank leachfields (CPP-626, -655, and -656)													
Time (0.60)			1	2	2		3	42	5(5.25)	1.58	8	3.15	0.47
Cost (0.70)			2	1	3	1		31	4(4.43)	1.13	7	3.10	0.62
Confidence (1.00)	1	3		1		1	1	24	3(3.43)	2.30	7	3.43	0.23
Volume (1.40)		3	2	1	1			21	3(3.00)	1.15	7	4.20	0.62

Option	Score							Total	Mean	STD	n	Weighted Total	VCC
	1	2	3	4	5	6	7						
Proximity (1.30)	3		4					15	2(2.14)	1.07	7	2.79	0.64
16. Eliminate CPP-697 heat pump discharge to ground													
Time (0.60)					1		7	54	7(6.75)	0.71	8	4.05	0.76
Cost (0.70)					1	2	5	52	7(6.50)	0.76	8	4.55	0.75
Confidence (1.00)	3	2				2	1	26	3(3.25)	2.60	8	3.25	0.13
Proximity (1.30)	1	3	4					19	2(2.38)	0.74	8	3.09	0.75
Volume (1.40)	8							8	1(1.00)	0.00	8	1.40	1.00
17. Eliminate steam condensate drip leg discharges to ground													
Time (0.60)						1	7	55	7(6.88)	0.35	8	4.13	0.88
Cost (0.70)					2	2	4	50	6(6.25)	0.89	8	4.37	0.70
Proximity (1.30)				1	2	1	4	48	6(6.00)	1.20	8	7.80	0.60
Confidence (1.00)	2		1	1		1	2	29	4(4.14)	2.61	7	4.14	0.13
Volume (1.40)	6	1						8	1(1.14)	0.38	7	1.60	0.87
18. Capture firewater discharges during annual fire hydrant testing													
Time (0.60)						1	7	55	7(6.88)	0.35	8	4.13	0.88
Cost (0.70)			1	1	1	3	2	44	6(5.50)	1.41	8	3.85	0.53
Proximity (1.30)		2		1	2	1	1	31	4(4.43)	1.90	7	5.76	0.37
Confidence (1.00)	4		1				2	21	3(3.00)	2.83	7	3.00	0.06
Volume (1.40)	5	1	1					10	1(1.43)	0.79	7	2.00	0.74
19. Eliminate water through unnecessary cooling discharges to service waste by 400 to 500 gpm													
Proximity (1.30)				2	1	4	1	44	6(5.50)	1.07	8	7.15	0.64
Time (0.60)	1			1		3	3	44	6(5.50)	2.07	8	3.30	0.31
Cost (0.70)	1	1	2	1		1	2	33	4(4.13)	2.30	8	2.89	0.23
Confidence (1.00)	4	1		1			2	24	3(3.00)	2.67	8	3.00	0.11
Volume (1.40)	7	1						9	1(1.13)	0.35	8	1.57	0.88
20. Eliminate cooling water discharges to unlined ditches													
Time (0.60)					1	1	6	53	7(6.63)	0.74	8	3.98	0.75
Cost (0.70)			2	1	2	2	1	39	5(4.88)	1.46	8	3.41	0.51
Confidence (1.00)	1	2		1	2	1	1	32	4(4.00)	2.14	8	4.00	0.29
Proximity (1.30)			5			2		27	4(3.86)	1.46	7	5.01	0.51

Option	Score							Total	Mean	STD	n	Weighted Total	VCC
	1	2	3	4	5	6	7						
Volume (1.40)	2	1	2	2	1			23	3(2.88)	1.46	8	4.02	0.51
21. Install additional flow meters on key water distribution pipelines													
Time (0.60)						1	7	55	7(6.88)	0.35	8	4.13	0.88
Cost (0.70)			1		1	4	1	39	6(5.57)	1.27	7	3.90	0.58
Proximity (1.30)				2	3	2		35	5(5.00)	0.82	7	6.50	0.73
Volume (1.40)	4		1	1			1	18	3(2.57)	2.30	7	3.60	0.23
Confidence (1.00)	3	2		2	1			20	3(2.50)	1.60	8	2.50	0.47
22. Upgrade existing water system flow meters with telemetry for real-time flow data monitoring													
Time (0.60)						2	6	54	7(6.75)	0.46	8	4.05	0.85
Proximity (1.30)				3	1	3		35	5(5.00)	1.00	7	6.50	0.67
Cost (0.70)			1		5	1		34	5(4.86)	0.90	7	3.40	0.70
Volume (1.40)	4		1	1			1	18	3(2.57)	2.30	7	3.60	0.23
Confidence (1.00)	3	2		3				19	2(2.38)	1.41	8	2.38	0.53
23. Conduct regular water balance calculations to highlight changes in system flows that could indicate leaks													
Time (0.60)							8	56	7(7.00)	0.00	8	4.20	1.00
Proximity (1.30)				2	1	3	1	38	5(5.43)	1.13	7	7.06	0.62
Cost (0.70)			2		1	3	2	43	5(5.38)	1.60	8	3.76	0.47
Confidence (1.00)	4	1			2		1	23	3(2.88)	2.42	8	2.88	0.19
Volume (1.40)	4	1			1		1	18	3(2.57)	2.44	7	3.60	0.19
24. Equip selected perched monitoring wells with telemetry for real-time water level monitoring (for immediate notification of sudden water level increases)													
Time (0.60)					2		6	52	7(6.50)	0.93	8	3.90	0.69
Proximity (1.30)				1	3	3		37	5(5.29)	0.76	7	6.87	0.75
Cost (0.70)			3	1	2		1	30	4(4.29)	1.50	7	3.00	0.50
Volume (1.40)	3	1	1		1	1		19	3(2.71)	2.06	7	3.80	0.31
Confidence (1.00)	3	1	2	1				15	2(2.14)	1.21	7	2.14	0.60
25. Perform pipeline valve isolation tests to identify leaky segments in suspect areas based on water levels and/or Perform pipeline hydrostatic testing to identify leaky segments.													
Proximity (1.30)					3	4	1	46	6(5.75)	0.71	8	7.47	0.76
Time (0.60)	1		1			2	4	44	6(5.50)	2.27	8	3.30	0.24

Option	Score							Total	Mean	STD	n	Weighted Total	VCC
	1	2	3	4	5	6	7						
Cost (0.70)			1	2		3	1	36	5(5.14)	1.46	7	3.60	0.51
Confidence (1.00)		2	2	2			2	32	4(4.00)	2.00	8	4.00	0.33
Volume (1.40)	1	2	1	1	1		2	31	4(3.88)	2.30	8	5.42	0.23
26. Each year, perform pipeline leak testing using tracers (e.g. helium gas) to pinpoint leaks on selective pipes (e.g. 5 tests per year).													
Time (0.60)	1					2	5	48	6(6.00)	2.07	8	3.60	0.31
Proximity (1.30)				1	3	3	1	44	6(5.50)	0.93	8	7.15	0.69
Volume (1.40)	2	2	1	1			2	27	3(3.38)	2.45	8	4.72	0.18
Confidence (1.00)	1	4	1			1	1	25	3(3.13)	2.17	8	3.13	0.28
Cost (0.70)	4	1		1	1		1	22	3(2.75)	2.31	8	1.92	0.23