

**ALTERNATIVES COST SUMMARY
SOUTH MAGNOLIA BASIN**

Alternative	Description	Total Construction Cost	Land Acquisition Cost		Street Use Fee		Project Total Cost	
			Low	High	Low	High	Low	High
1A	Rectangular Storage at Bottom of Basin	\$29,090,000	\$350,000	\$350,000	\$50,000	\$1,150,000	\$29,490,000	\$30,590,000
1B	Dispersed Storage Tanks	\$37,900,000	\$600,000	\$600,000	\$410,000	\$1,046,000	\$38,910,000	\$39,546,000
1C	Dispersed Storage Tanks	\$35,090,000	\$1,450,000	\$1,450,000	\$56,000	\$992,000	\$36,596,000	\$37,532,000
1D	Dispersed Pipe Storage in Three Locations	\$40,070,000	\$205,000	\$205,000	\$299,000	\$1,032,000	\$40,574,000	\$41,307,000
1E	Tunnel Storage at Bottom of Basin	\$56,340,000	\$760,000	\$760,000	\$100,000	\$1,648,000	\$57,200,000	\$58,748,000
1F.1	Rectangular Storage Out of Basin	\$30,890,000	\$620,000	\$620,000	\$100,000	\$2,300,000	\$31,610,000	\$33,810,000
1F.2	Rectangular Storage Out of Basin	\$45,530,000	\$775,000	\$775,000	\$100,000	\$2,960,000	\$46,405,000	\$49,265,000
1F.3	Rectangular Storage Out of Basin	\$47,050,000	\$775,000	\$775,000	\$100,000	\$2,300,000	\$47,925,000	\$50,125,000
2A	Convey and Treat	\$23,420,000	\$1,360,000	\$1,360,000	\$100,000	\$1,648,000	\$24,880,000	\$26,428,000
3A	End of Pipe Treatment	\$32,330,000	\$350,000	\$350,000	\$50,000	\$1,150,000	\$32,730,000	\$33,830,000
5A	Stormwater Disconnection	\$24,550,000	\$350,000	\$350,000	\$100,000	\$1,648,000	\$25,000,000	\$26,548,000

Note:

Total construction cost includes total direct costs plus 30% allied costs and 50% contingency cost
Project total cost range is the sum of total construction cost plus permit and land acquisition cost

**MAGNOLIA BASIN
REAL ESTATE COST ESTIMATE**

Alternative	Description of Alternative and/or Requirement for Property	Estimated Footprint	Estimated Real Estate Cost	Estimated Cont Use Permit Fee for Parks Property Only	Description of Street Use	Estimated LF or SF in ROW	Duration of Project use of ROW	Estimated Street Use Fee		ESTIMATED TOTAL
								In Stages	Entire Project	
1A	Rectangular Storage Tank + odor control & electrical facilities (Off ROW at 32nd Ave W- Magnolia Park)	50,000 SF (1 park property via revocable use permit @ \$350k)		\$350k	32nd- Access, staging and construction	500 LF	5-24 months	50k	1.15M	\$850k- 1.5M
1B	Dispersed Storage Tanks + odor control & electrical facilities- 2 locations (Off ROW at 32nd Ave W- Magnolia Park; and under M. Playfield Tennis Courts)	36,000 SF (15,000 SF M. Playfield prop @\$450k + 21,000 SF M. Park property via revocable use permit @ \$150k)	\$450k	\$150k	32nd- Access, staging and construction	500 LF	5-21 months	50k	986k	\$1M- 1.7M
					McGraw (32nd to 34th)- Construction of sewer & 12'- dia. manholes	1,100 LF	2-11 months	180k	30k	
					34th (McGraw- Smith)- Construction of sewer & 12'- dia. manholes	1,100 LF	2-11 months	180k	30k	
1C	Dispersed Storage Tanks + odor control & electrical facilities- 2 locations (Off ROW at 32nd Ave W- Magnolia Park; and SE of M. Playfield)	36,000 SF (15,000 SF SE of M. Playfield prop @\$1.3M + 21,000 SF M. Park property via revocable use permit @ \$150k)	\$1.3M	\$150k	32nd- Access, staging and construction	500LF	5-21 months	50k	986k	\$1.5- 2.5M
					32nd and Clise Pl- Construction of sewer & 12'- dia. manholes	200LF	2 months	6k	6k	
1D	Dispersed Pipe Storage + odor control & electrical facilities- 3 locations (Off ROW at 32nd Ave W; Pipe in 34th; and Pipe in Magnolia Blvd.)	29,000 SF (Seattle Parks property via revocable use permit)		\$205k	32nd- Access, staging and construction	500 LF	5-21 months	50k	986k	\$500k- 1.3M
					34th- Access, staging and construction	1,000 LF	2-10 months	157k	27k	
					Magnolia Blvd- Access, staging & construction	700 LF	2-7 months	92k	19k	
1E	Tunnel Storage at Bottom of Basin on Seattle Parks ROW + 2 portals (32nd and 23rd)	108,000 SF (Seattle Parks property: 20,000 SF west portal @ \$320K and 88,000 SF east portal @ \$5.8M; via revocable use permit)		\$760k	32nd- Access, staging and construction	500 LF	5-18 months	50k	824k	\$900k- 2.4M
					23rd- Haul and construction access	500 LF	5-18 months	50k	824k	
1F1	Rectangular Storage Tank on 23rd + Force Main from 32nd to 23rd + Diversion Structure on 32nd with HDD Gravity Sewer	88,000 SF (Seattle Parks property- Smith Cove Park @ \$5.8M; via revocable use permit)		\$620k	32nd- Access, staging and construction	500 LF	5-24 months	50k	1.15M	\$720k- 3M
					23rd- Haul & construction access	500 LF	5-24 months	50k	1.15M	

**MAGNOLIA BASIN
REAL ESTATE COST ESTIMATE**

Alternative	Description of Alternative and/or Requirement for Property	Estimated Footprint	Estimated Real Estate Cost	Estimated Cont Use Permit Fee for Parks Property Only	Description of Street Use	Estimated LF or SF in ROW	Duration of Project use of ROW	Estimated Street Use Fee		ESTIMATED TOTAL
								In Stages	Entire Project	
1F2	Rectangular Storage Tank on 23rd + Force Main from 32nd to 23rd + Pump Station on 32nd with HDD Pipe in Steep Slopes	110,500 SF (Seattle Parks property: 22,500 SF east of 32nd @ \$360K and 88,000 SF west @ \$5.8M; via revocable use permit)		\$775k	32nd- Access, staging and construction	500 LF	5-30 months	50k	1.48M	\$7- 9.9M
					23rd- Haul & construction access	500 LF	5-30 months	50k	1.48M	
1F3	Rectangular Storage Tank + odor control & electrical facilities with Diversion Structure on 23rd + Force Main from 32nd to 23rd + Pump Station on 32nd	110,500 SF (Seattle Parks property: 22,500 SF @ \$360K and Smith Cove Park Property @ \$5.8M; via revocable use permit)		\$775k	32nd- Access, staging and construction	500 LF	5-24 months	50k	1.15M	\$900k- 3.1M
					23rd- Haul & construction access	500 LF	5-24 months	50k	1.15M	
2A	Convey and Treat: Discharge at Interbay PS + Diversion Structure with Pump Station on 32nd + 24" Gravity Sewer on 23rd	22,500 SF (Seattle Parks property via revocable use permit @160k) 12,000 SF (23rd Ave- permanent sewer easement) 87,000 SF (Port of Seattle property- permanent sewer easement) + TBD BNSF RR	\$1.2M	\$160k	32nd- Access, staging and construction	500 LF	5-18 months	50k	824k	\$1.5M- 3M
					23rd- Haul & construction access	500 LF	5-18 months	50k	824k	
3A	End-of-Pipe Treatment at Bottom of Basin on 32nd	50,000 SF (Seattle Parks property via revocable use permit)		\$350k	32nd- Access, staging and construction	500 LF	5-24 months	50k	1.15M	\$400k- 1.5M

**MAGNOLIA BASIN
REAL ESTATE COST ESTIMATE**

Alternative	Description of Alternative and/or Requirement for Property	Estimated Footprint	Estimated Real Estate Cost	Estimated Cont Use Permit Fee for Parks Property Only	Description of Street Use	Estimated LF or SF in ROW	Duration of Project use of ROW	Estimated Street Use Fee		ESTIMATED TOTAL
								In Stages	Entire Project	
5A	Rectangular Storage Tank + odor control & electrical facilities	50,000 SF (Seattle Parks property via revocable use permit)		\$350k	32nd- Access, staging and construction	500 LF	5-18 months	50k	824k	\$450k- 2M
					23rd- Haul & construction access	500 LF	5-18 months	50k	824k	

Assumptions: 1) All property and property right acquisition will be per King County acquisition policy

2) Estimates are for value of property and use permits only; other acquisition costs such as appraisals, title reports, labor cost to acquire, relocation costs, etc. are not included

3) Mitigation Costs not included in these cost estimates.

4) Street Calculations

- a. Based on use of one-half of ROW or 30', assuming street width of 60'
- b. Estimated cost for construction done "In Stages" assumes 200 LF per stage, with street use fees calculated based on duration of 2 months per stage; these fee calculations are based on the assumption that SDOT will give WTD a fee waiver or fee discount.
- c. Estimated cost for "Entire Project" assumes that SDOT will use formula per Seattle Municipal Code

5) For any alternative w/ storage tank in ROW, cost is for use of street ROW for construction only; no City of Seattle fees for use of ROW for permanent locating of storage tank are assumed

6) Real Estate cost estimates for property owned by City of Seattle-Parks Department using its CONTINUING USE PERMIT FEE calculation with an impact value of "1".

7) Properties that may be needed for construction staging and feasibility not considered in these estimates; street & continuing use permit fees for these were also not included



PROJECT SUMMARY

Project: South Magnolia - 1A
 Job #:
 Location: Seattle, Washington
 Zip Code:

Estimate Class: Planning Level
 PIC: JPH
 PM: BRM
 Date: December-09
 By: CEH
 Reviewed:

NO.	DESCRIPTION	TOTAL
	TECHNICAL ELEMENT	\$10,340,000
	SPECIAL CONSTRUCTION	
	STREET RESTORATION	\$90,000
	DEWATERING	\$1,030,000
	SHORING	\$410,000
	RETAINING WALLS	\$2,220,000
	SITE ACCESS CONSIDERATIONS (20% OF TECHNICAL ELEMENT)	\$2,070,000
	UTILITY RELOCATION	\$0
	SPECIAL SITE RESTORATION	
	TURF FIELDS	\$0
	SPORTS COURTS	\$0
	ROOF DISCONNECTS	\$0
	SUB TOTAL - CONSTRUCTION COST	\$16,160,000
	ALLIED COST (30%)	\$4,850,000
	CONTINGENCY (50%)	\$8,080,000
	TOTAL CONSTRUCTION COST	\$29,090,000
	PERMITS AND LAND ACQUISITION	
	LAND ACQUISITION	SEE SUMMARY
	PERMITS	SEE SUMMARY
	SUBTOTAL - PERMITS AND LAND ACQUISITION	SEE SUMMARY
	PROJECT TOTAL	\$29,090,000

The cost estimate herein is based on our perception of current conditions at the project location. This estimate reflects our professional opinion of accurate costs at this time and is subject to change as the project design matures. Carollo Engineers have no control over variances in the cost of labor, materials, equipment, nor services provided by others, contractor's means and methods of executing the work or of determining prices, competitive bidding or market conditions, practices or bidding strategies. Carollo Engineers cannot and does not warrant or guarantee that proposals, bids or actual construction costs will not vary from the costs presented as shown.

Notes:

Volume of Storage Tank	=	1.80 MG
Cost per gallon for Storage Tank	=	\$5.50
Technical Element Cost	=	\$9,900,000
Storage Tank Submersible Pumps	=	\$237,512 TABULA formula
Number of Diversion Structures	=	1
Cost per Diversion Structure	=	\$130,000
Technical Element Cost	=	\$130,000
Length of Gravity Sewer	=	100 feet
Cost per LF of Gravity Sewer	=	\$750
Technical Element Cost	=	\$75,000
Street Restoration Area	=	20,000 square feet
Cost per square foot	=	\$4.50
Adder Cost	=	\$90,000
Dewatering	=	\$1,033,077 TABULA formula
Shoring Area	=	24,000 square feet
Cost per square foot	=	\$17
Adder Cost	=	\$408,000
Retaining Wall Height	=	30 feet
Retaining Wall Length	=	400 feet
Cost per square foot	=	\$185
Adder Cost	=	\$2,220,000

Preliminary real estate cost estimate. Needs to be updated.
 Preliminary real estate cost estimate. Needs to be updated.
 Preliminary real estate cost estimate. Needs to be updated.



PROJECT SUMMARY

Project: South Magnolia - 1B
 Job #:
 Location: Seattle, Washington
 Zip Code:

Estimate Class: Planning Level
 PIC: JPH
 PM: BRM
 Date: December-09
 By: CEH
 Reviewed:

NO.	DESCRIPTION	TOTAL
	TECHNICAL ELEMENT	\$14,290,000
	SPECIAL CONSTRUCTION	
	STREET RESTORATION	\$90,000
	DEWATERING	\$1,030,000
	SHORING	\$530,000
	RETAINING WALLS	\$1,670,000
	SITE ACCESS CONSIDERATIONS (20% OF TECHNICAL ELEMENT)	\$2,860,000
	UTILITY RELOCATION	\$380,000
	SPECIAL SITE RESTORATION	
	TURF FIELDS	\$0
	SPORTS COURTS	\$200,000
	ROOF DISCONNECTS	\$0
	SUB TOTAL - CONSTRUCTION COST	\$21,050,000
	ALLIED COST (30%)	\$6,320,000
	CONTINGENCY (50%)	\$10,530,000
	TOTAL CONSTRUCTION COST	\$37,900,000
	PERMITS AND LAND ACQUISITION	
	LAND ACQUISITION	SEE SUMMARY
	PERMITS	SEE SUMMARY
	SUBTOTAL - PERMITS AND LAND ACQUISITION	SEE SUMMARY
	PROJECT TOTAL	\$37,900,000

The cost estimate herein is based on our perception of current conditions at the project location. This estimate reflects our professional opinion of accurate costs at this time and is subject to change as the project design matures. Carollo Engineers have no control over variances in the cost of labor, materials, equipment, nor services provided by others, contractor's means and methods of executing the work or of determining prices, competitive bidding or market conditions, practices or bidding strategies. Carollo Engineers cannot and does not warrant or guarantee that proposals, bids or actual construction costs will not vary from the costs presented as shown.

Notes:

Volume of Storage Tank 1 = 1.08 MG
 Cost per gallon for Storage Tank = \$6.75
 Technical Element Cost = \$7,290,000

Volume of Storage Tank 2 = 0.72 MG
 Cost per gallon for Storage Tank = \$7.50
 Technical Element Cost = \$5,400,000

Storage Tank Submersible Pumps = \$237,512 TABULA formula

Number of Diversion Structures = 4
 Cost per Diversion Structure = \$130,000
 Technical Element Cost = \$520,000

Length of Forcemain = 400 feet
 Diameter of Forcemain = 8"
 Cost per LF of Forcemain = \$240
 Technical Element Cost = \$96,000

Length of Gravity Sewer = 1000 feet
 Diameter of Gravity Sewer = Assume 2'
 Cost per LF of Gravity Sewer = \$750
 Technical Element Cost = \$750,000

Street Restoration Area = 20,000 sf
 Cost per square foot = \$5
 Adder Cost = \$90,000

Dewatering = \$1,033,077 TABULA formula

Shoring Area = 31,000 sf
 Cost per square foot = \$17
 Adder Cost = \$527,000

Retaining Wall Height = 30 feet
 Retaining Wall Length = 300 feet
 Cost per square foot = \$185
 Adder Cost = \$1,665,000

Number of Frontage Buildings = 25
 Utility Relocation Cost per Building = \$15,000
 Adder Cost = \$375,000

Sport Court Area = 12,000 sf
 Cost per square foot = \$17
 Adder Cost = \$204,000

Preliminary real estate cost estimate. Needs to be updated.

Preliminary real estate cost estimate. Needs to be updated.

Preliminary real estate cost estimate. Needs to be updated.



PROJECT SUMMARY

Project: South Magnolia - 1C
 Job #:
 Location: Seattle, Washington
 Zip Code:

Estimate Class: Planning Level
 PIC: JPH
 PM: BRM
 Date: December-09
 By: CEH
 Reviewed:

NO.	DESCRIPTION	TOTAL
	TECHNICAL ELEMENT	\$13,570,000
	SPECIAL CONSTRUCTION	
	STREET RESTORATION	\$50,000
	DEWATERING	\$1,030,000
	SHORING	\$410,000
	RETAINING WALLS	\$1,670,000
	SITE ACCESS CONSIDERATIONS (20% OF TECHNICAL ELEMENT)	\$2,710,000
	UTILITY RELOCATION	\$50,000
	SPECIAL SITE RESTORATION	
	TURF FIELDS	\$0
	SPORTS COURTS	\$0
	ROOF DISCONNECTS	\$0
	SUB TOTAL - CONSTRUCTION COST	\$19,490,000
	ALLIED COST (30%)	\$5,850,000
	CONTINGENCY (50%)	\$9,750,000
	TOTAL CONSTRUCTION COST	\$35,090,000
	PERMITS AND LAND ACQUISITION	
	LAND ACQUISITION	SEE SUMMARY
	PERMITS	SEE SUMMARY
	SUBTOTAL - PERMITS AND LAND ACQUISITION	SEE SUMMARY
	PROJECT TOTAL	\$35,090,000

The cost estimate herein is based on our perception of current conditions at the project location. This estimate reflects our professional opinion of accurate costs at this time and is subject to change as the project design matures. Carollo Engineers have no control over variances in the cost of labor, materials, equipment; nor services provided by others, contractor's means and methods of executing the work or of determining prices, competitive bidding or market conditions, practices or bidding strategies. Carollo Engineers cannot and does not warrant or guarantee that proposals, bids or actual construction costs will not vary from the costs presented as shown.

Notes:

Volume of Storage Tank 1	=	1.10 MG	
Cost per gallon for Storage Tank	=	\$6.50	
Technical Element Cost	=	\$7,150,000	
Volume of Storage Tank 2	=	0.67 MG	
Cost per gallon for Storage Tank	=	\$8.00	
Technical Element Cost	=	\$5,360,000	
Storage Tank Submersible Pumps	=	\$236,730 TABULA formula	
Number of Diversion Structures	=	4	
Cost per Diversion Structure	=	\$130,000	
Technical Element Cost	=	\$520,000	
Length of Gravity Sewer	=	400 feet	
Diameter of Gravity Sewer	=	Assume 2'	
Cost per LF of Gravity Sewer	=	\$750	
Technical Element Cost	=	\$300,000	
Street Restoration Area	=	12,000 sf	
Cost per square foot	=	\$4.50	
Adder Cost	=	\$54,000	Retaining Wall Height = 30 feet
			Retaining Wall Length = 300 feet
			Cost per square foot = \$185
Dewatering	=	\$1,030,205 TABULA formula	Adder Cost = \$1,665,000
Shoring Area	=	24,000 sf	Number of Frontage Buildings = 3
Cost per square foot	=	\$17	Utility Relocation Cost per Building = \$15,000
Adder Cost	=	\$408,000	Adder Cost = \$45,000

Preliminary real estate cost estimate. Needs to be updated.
 Preliminary real estate cost estimate. Needs to be updated.
 Preliminary real estate cost estimate. Needs to be updated.



PROJECT SUMMARY

Project: South Magnolia - 1D
 Job #:
 Location: Seattle, Washington
 Zip Code:

Estimate Class: Planning Level
 PIC: JPH
 PM: BRM
 Date: December-09
 By: CEH
 Reviewed:

NO.	DESCRIPTION	TOTAL
	TECHNICAL ELEMENT	\$16,250,000
	SPECIAL CONSTRUCTION	
	STREET RESTORATION	\$160,000
	DEWATERING	\$120,000
	SHORING	\$290,000
	RETAINING WALLS	\$1,670,000
	SITE ACCESS CONSIDERATIONS (20% OF TECHNICAL ELEMENT)	\$3,250,000
	UTILITY RELOCATION	\$470,000
	SPECIAL SITE RESTORATION	
	TURF FIELDS	\$50,000
	SPORTS COURTS	\$0
	ROOF DISCONNECTS	\$0
	SUB TOTAL - CONSTRUCTION COST	\$22,260,000
	ALLIED COST (30%)	\$6,680,000
	CONTINGENCY (50%)	\$11,130,000
	TOTAL CONSTRUCTION COST	\$40,070,000
	PERMITS AND LAND ACQUISITION	
	LAND ACQUISITION	SEE SUMMARY
	PERMITS	SEE SUMMARY
	SUBTOTAL - PERMITS AND LAND ACQUISITION	SEE SUMMARY
	PROJECT TOTAL	\$40,070,000

The cost estimate herein is based on our perception of current conditions at the project location. This estimate reflects our professional opinion of accurate costs at this time and is subject to change as the project design matures. Carollo Engineers have no control over variances in the cost of labor, materials, equipment; nor services provided by others, contractor's means and methods of executing the work or of determining prices, competitive bidding or market conditions, practices or bidding strategies. Carollo Engineers cannot and does not warrant or guarantee that proposals, bids or actual construction costs will not vary from the costs presented as shown.

Notes:

Volume of Storage Tank = 0.6 MG
 Cost per gallon for Storage Tank = \$6.75
 Technical Element Cost = 4050000

Volume of Storage Pipe 1 = 0.45 MG
 Cost per gallon for Storage Tank = \$9.00
 Technical Element Cost = \$4,050,000

Volume of Storage Pipe 2 = 0.72 MG
 Cost per gallon for Storage Tank = \$9.00
 Technical Element Cost = \$6,480,000

Storage Submersible Pumps = \$236,730 TABULA formula

Storage Pipe Odor Control/Electrical = \$200,600 TABULA formula

Number of Diversion Structures = 6
 Cost per Diversion Structure = \$130,000
 Technical Element Cost = \$780,000

Length of Gravity Sewer = 600 feet
 Diameter of Gravity Sewer = Assume 2'
 Cost per LF of Gravity Sewer = \$750
 Technical Element Cost = \$450,000

Street Restoration Area = 36,000 sf
 Cost per square foot = \$4.50
 Adder Cost = \$162,000

Dewatering = \$120,950 TABULA formula

Shoring Area = 17,000 sf
 Cost per square foot = \$17
 Adder Cost = \$289,000

Retaining Wall Height = 30 feet
 Retaining Wall Length = 300 feet
 Cost per square foot = \$185
 Adder Cost = \$1,665,000

Number of Frontage Buildings = 31
 Utility Relocation Cost per Building = \$15,000
 Adder Cost = \$465,000

Turf Field Area = 15,000 sf
 Cost per square foot = \$3.00
 Adder Cost = \$45,000

Preliminary real estate cost estimate. Needs to be updated.

Preliminary real estate cost estimate. Needs to be updated.

Preliminary real estate cost estimate. Needs to be updated.

 PROJECT SUMMARY		
Project:	South Magnolia - 1E	Estimate Class: Planning Level
Job #:		PIC: JPH
Location:	Seattle, Washington	PM: BRM
Zip Code:		Date: December-09
		By: CEH
		Reviewed:
NO.	DESCRIPTION	TOTAL
	TECHNICAL ELEMENT	\$27,040,000
	SPECIAL CONSTRUCITON	
	STREET RESTORATION	\$100,000
	DEWATERING	\$1,100,000
	SHORING	\$0
	RETAINING WALLS	\$0
	SITE ACCESS CONSIDERATIONS	\$2,610,000
	UTILITY RELOCATION	\$0
	SPECIAL SITE RESTORATION	
	TURF FIELDS	\$450,000
	SPORTS COURTS	\$0
	ROOF DISCONNECTS	\$0
	SUB TOTAL - CONSTRUCTION COST	\$31,300,000
	ALLIED COST (30%)	\$9,390,000
	CONTINGENCY (50%)	\$15,650,000
	TOTAL CONSTRUCTION COST	\$56,340,000
	PERMITS AND LAND ACQUISITION	
	LAND ACQUISITION	SEE SUMMARY
	PERMITS	SEE SUMMARY
	SUBTOTAL - PERMITS AND LAND ACQUISITION	SEE SUMMARY
	PROJECT TOTAL	\$56,340,000
<p><i>The cost estimate herein is based on our perception of current conditions at the project location. This estimate reflects our professional opinion of accurate costs at this time and is subject to change as the project design matures. Carollo Engineers have no control over variances in the cost of labor, materials, equipment; nor services provided by others, contractor's means and methods of executing the work or of determining prices, competitive bidding or market conditions, practices or bidding strategies. Carollo Engineers cannot and does not warrant or guarantee that proposals, bids or actual construction costs will not vary from the costs presented as shown.</i></p>		

Notes:		
Tunnel Submersible Pumps	=	\$256,171 TABULA fo
Tunnel Odor Control/Electrical	=	\$419,259 TABULA fo
Number of Diversion Structures	=	3
Cost per Diversion Structure	=	\$130,000
Technical Element Cost	=	\$390,000
Length of Forcemain	=	200 feet
Diameter of Forcemain	=	0
Cost per LF of Forcemain	=	\$240
Technical Element Cost	=	\$48,000
Length of Gravity Sewer	=	300 feet
Diameter of Gravity Sewer	=	Assume 2'
Cost per LF of Gravity Sewer	=	\$750
Technical Element Cost	=	\$225,000
Length of Tunnel	=	3000 feet
Diameter of Tunnel	=	144 inches
Cost per LF of Tunnel	=	\$7,900
Cost of 2 shafts	=	\$2,000,000
Technical Element Cost	=	\$25,700,000
Street Restoration Area	=	22,000 sf
Cost per square foot	=	\$4.50
Adder Cost	=	\$99,000
Dewatering	=	\$1,104,326 TABULA fo
Turf Field Area	=	150,000 sf
Cost per square foot	=	\$3.00
Adder Cost	=	\$450,000
Preliminary real estate cost estimate. Needs to be updated.		
Preliminary real estate cost estimate. Needs to be updated.		
Preliminary real estate cost estimate. Needs to be updated.		

 PROJECT SUMMARY		
Project:	South Magnolia - 1F.1	Estimate Class: Planning Level
Job #:		PIC: JPH
Location:	Seattle, Washington	PM: BRM
Zip Code:		Date: December-09
		By: CEH
		Reviewed:
NO.	DESCRIPTION	TOTAL
	TECHNICAL ELEMENT	\$13,050,000
	SPECIAL CONSTRUCTION	
	STREET RESTORATION	\$20,000
	DEWATERING	\$1,030,000
	SHORING	\$0
	RETAINING WALLS	\$0
	SITE ACCESS CONSIDERATIONS (20% OF TECHNICAL ELEMENT)	\$2,610,000
	UTILITY RELOCATION	\$0
	SPECIAL SITE RESTORATION	
	TURF FIELDS	\$450,000
	SPORTS COURTS	\$0
	ROOF DISCONNECTS	\$0
	SUB TOTAL - CONSTRUCTION COST	\$17,160,000
	ALLIED COST (30%)	\$5,150,000
	CONTINGENCY (50%)	\$8,580,000
	TOTAL CONSTRUCTION COST	\$30,890,000
	PERMITS AND LAND ACQUISITION	
	LAND ACQUISITION	SEE SUMMARY
	PERMITS	SEE SUMMARY
	SUBTOTAL - PERMITS AND LAND ACQUISITION	SEE SUMMARY
	PROJECT TOTAL	\$30,890,000
<p><i>The cost estimate herein is based on our perception of current conditions at the project location. This estimate reflects our professional opinion of accurate costs at this time and is subject to change as the project design matures. Carollo Engineers have no control over variances in the cost of labor, materials, equipment; nor services provided by others, contractor's means and methods of executing the work or of determining prices, competitive bidding or market conditions, practices or bidding strategies. Carollo Engineers cannot and does not warrant or guarantee that proposals, bids or actual construction costs will not vary from the costs presented as shown.</i></p>		

Notes:

Volume of Storage Tank 1	=	1.80 MG
Cost per gallon for Storage Tank	=	\$5.50
Technical Element Cost	=	\$9,900,000
Storage Tank Submersible Pumps	=	\$237,512 TABULA for
Auger Cast Piles	=	\$993,000
Number of Diversion Structures	=	3
Cost per Diversion Structure	=	\$130,000
Technical Element Cost	=	\$390,000
Length of Forcemain	=	200 feet
Diameter of Forcemain	=	8"
Cost per LF of Forcemain	=	\$240
Technical Element Cost	=	\$48,000
Length of Gravity Sewer	=	300 feet
Diameter of Gravity Sewer	=	Assume 2'
Cost per LF of Gravity Sewer	=	\$750
Technical Element Cost	=	\$225,000
Length of HDD	=	3000 feet
Diameter of HDD	=	\$18
Cost per LF of HDD	=	\$420
Street Restoration Area	=	4,000 sf
Cost per square foot	=	\$4.50
Adder Cost	=	\$18,000
Dewatering	=	\$1,033,077 TABULA for
Preliminary real estate cost estimate. Needs to be updated.		
Preliminary real estate cost estimate. Needs to be updated.		
Preliminary real estate cost estimate. Needs to be updated.		

 PROJECT SUMMARY		
Project:	South Magnolia - 1F.2	Estimate Class: Planning Level
Job #:		PIC: JPH
Location:	Seattle, Washington	PM: BRM
Zip Code:		Date: December-09
		By: CEH
		Reviewed:
NO.	DESCRIPTION	TOTAL
	TECHNICAL ELEMENT	\$18,950,000
	SPECIAL CONSTRUCTION	
	STREET RESTORATION	\$60,000
	DEWATERING	\$1,300,000
	SHORING	\$0
	RETAINING WALLS	\$740,000
	SITE ACCESS CONSIDERATIONS (20% OF TECHNICAL ELEMENT)	\$3,790,000
	UTILITY RELOCATION	\$0
	SPECIAL SITE RESTORATION	
	TURF FIELDS	\$450,000
	SPORTS COURTS	\$0
	ROOF DISCONNECTS	\$0
	SUB TOTAL - CONSTRUCTION COST	\$25,290,000
	ALLIED COST (30%)	\$7,590,000
	CONTINGENCY (50%)	\$12,650,000
	TOTAL CONSTRUCTION COST	\$45,530,000
	PERMITS AND LAND ACQUISITION	
	LAND ACQUISITION	SEE SUMMARY
	PERMITS	SEE SUMMARY
	SUBTOTAL - PERMITS AND LAND ACQUISITION	SEE SUMMARY
	PROJECT TOTAL	\$45,530,000
<p><i>The cost estimate herein is based on our perception of current conditions at the project location. This estimate reflects our professional opinion of accurate costs at this time and is subject to change as the project design matures. Carollo Engineers have no control over variances in the cost of labor, materials, equipment, nor services provided by others, contractor's means and methods of executing the work or of determining prices, competitive bidding or market conditions, practices or bidding strategies. Carollo Engineers cannot and does not warrant or guarantee that proposals, bids or actual construction costs will not vary from the costs presented as shown.</i></p>		

Notes:

Volume of Storage Tank 1	=	1.80 MG		
Cost per gallon for Storage Tank	=	\$5.50		
Technical Element Cost	=	\$9,900,000		
Storage Tank Submersible Pumps	=	\$237,512 TABULA formula		
Auger Cast Piles	=	\$993,000		
Capacity of Pump Station	=	7.7 mgd		
TDH of Pump Station	=	200 feet		
Cost per gallon	=	\$0.80	Street Restoration Area	= 14,000 sf
Technical Element Cost	=	\$6,160,000	Cost per square foot	= \$4.50
			Adder Cost	= \$63,000
Number of Diversion Structures	=	3	Dewatering	= \$1,304,149 TABULA formula
Cost per Diversion Structure	=	\$130,000	Retaining Wall Height	= 40 feet
Technical Element Cost	=	\$390,000	Retaining Wall Length	= 100 feet
Length of Forcemain	=	2000 feet	Cost per square foot	= \$185
Diameter of Forcemain	=	18	Adder Cost	= \$740,000
Cost per LF of Forcemain	=	\$310	Turf Fields Area	= 150,000 sf
Technical Element Cost	=	\$620,000	Cost per square foot	= \$3.00
Length of Gravity Sewer	=	300 feet	Adder Cost	= \$450,000
Diameter of Gravity Sewer	=	Assume 2'		
Cost per LF of Gravity Sewer	=	\$750		
Technical Element Cost	=	\$225,000		
Length of HDD	=	1000 feet		
Diameter of HDD	=	18		
Cost per LF of HDD	=	\$422		
Technical Element Cost	=	\$422,000		

Preliminary real estate cost estimate. Needs to be updated.

Preliminary real estate cost estimate. Needs to be updated.

Preliminary real estate cost estimate. Needs to be updated.

 PROJECT SUMMARY		
Project:	South Magnolia - 1F.3	Estimate Class: Planning Level
Job #:		PIC: JPH
Location:	Seattle, Washington	PM: BRM
Zip Code:		Date: December-09
		By: CEH
		Reviewed:
NO.	DESCRIPTION	TOTAL
	TECHNICAL ELEMENT	\$20,010,000
	SPECIAL CONSTRUCTION	
	STREET RESTORATION	\$20,000
	DEWATERING	\$1,130,000
	SHORING	\$0
	RETAINING WALLS	\$740,000
	SITE ACCESS CONSIDERATIONS	\$3,790,000
	UTILITY RELOCATION	\$0
	SPECIAL SITE RESTORATION	
	TURF FIELDS	\$450,000
	SPORTS COURTS	\$0
	ROOF DISCONNECTS	\$0
	SUB TOTAL - CONSTRUCTION COST	\$26,140,000
	ALLIED COST (30%)	\$7,840,000
	CONTINGENCY (50%)	\$13,070,000
	TOTAL CONSTRUCTION COST	\$47,050,000
	PERMITS AND LAND ACQUISITION	
	LAND ACQUISITION	SEE SUMMARY
	PERMITS	SEE SUMMARY
	SUBTOTAL - PERMITS AND LAND ACQUISITION	SEE SUMMARY
	PROJECT TOTAL	\$47,050,000
<p><small>The cost estimate herein is based on our perception of current conditions at the project location. This estimate reflects our professional opinion of accurate costs at this time and is subject to change as the project design matures. Carollo Engineers have no control over variances in the cost of labor, materials, equipment; nor services provided by others, contractor's means and methods of executing the work or of determining prices, competitive bidding or market conditions, practices or bidding strategies. Carollo Engineers cannot and does not warrant or guarantee that proposals, bids or actual construction costs will not vary from the costs presented as shown.</small></p>		

Notes:

Volume of Storage Tank 1	=	1.80 MG
Cost per gallon for Storage Tank	=	\$5.50
Technical Element Cost	=	\$9,900,000
Storage Tank Submersible Pumps	=	\$237,512 TABULA formula
Auger Cast Piles	=	\$993,000
Capacity of Pump Station	=	12 mgd
TDH of Pump Station	=	50 feet
Cost per gallon	=	\$0.60
Technical Element Cost	=	\$7,200,000
Number of Diversion Structures	=	3
Cost per Diversion Structure	=	\$130,000
Technical Element Cost	=	\$390,000
Length of Gravity Sewer	=	300 feet
Diameter of Gravity Sewer	=	Assume 2'
Cost per LF of Gravity Sewer	=	\$750
Technical Element Cost	=	\$225,000
Submersible Pump Station Capacity	=	0.4 mgd
Submersible Pump Station TDH	=	feet
Submersible Pump Station Cost	=	\$825,000
Length of Forcemain	=	1200 feet
Diameter of Forcemain	=	6 inches
Cost of Forcemain	=	\$240,000
Technical Element Cost	=	\$1,065,000

Street Restoration Area	=	4,000 sf
Cost per square foot	=	\$4.50
Adder Cost	=	\$18,000
Dewatering	=	\$1,130,149 TABULA formula
Retaining Wall Height	=	40 feet
Retaining Wall Length	=	100 feet
Cost per square foot	=	\$185
Adder Cost	=	\$740,000
Turf Fields Area	=	150,000 sf
Cost per square foot	=	\$3.00
Adder Cost	=	\$450,000

Preliminary real estate cost estimate. Needs to be updated.

Preliminary real estate cost estimate. Needs to be updated.

Preliminary real estate cost estimate. Needs to be updated.

 PROJECT SUMMARY		
Project:	South Magnolia - 2A	Estimate Class: Planning Level
Job #:		PIC: JPH
Location:	Seattle, Washington	PM: BRM
Zip Code:		Date: December-09
		By: CEH
		Reviewed:
NO.	DESCRIPTION	TOTAL
	TECHNICAL ELEMENT	\$8,770,000
	SPECIAL CONSTRUCTION	
	STREET RESTORATION	\$70,000
	DEWATERING	\$1,510,000
	SHORING	\$0
	RETAINING WALLS	\$740,000
	SITE ACCESS CONSIDERATIONS (20% OF TECHNICAL ELEMENT)	\$1,750,000
	UTILITY RELOCATION	\$170,000
	SPECIAL SITE RESTORATION	
	TURF FIELDS	\$0
	SPORTS COURTS	\$0
	ROOF DISCONNECTS	\$0
	SUB TOTAL - CONSTRUCTION COST	\$13,010,000
	ALLIED COST (30%)	\$3,900,000
	CONTINGENCY (50%)	\$6,510,000
	TOTAL CONSTRUCTION COST	\$23,420,000
	PERMITS AND LAND ACQUISITION	
	LAND ACQUISITION	SEE SUMMARY
	PERMITS	SEE SUMMARY
	SUBTOTAL - PERMITS AND LAND ACQUISITION	SEE SUMMARY
	PROJECT TOTAL	\$23,420,000
<p><i>The cost estimate herein is based on our perception of current conditions at the project location. This estimate reflects our professional opinion of accurate costs at this time and is subject to change as the project design matures. Carollo Engineers have no control over variances in the cost of labor, materials, equipment; nor services provided by others, contractor's means and methods of executing the work or of determining prices, competitive bidding or market conditions, practices or bidding strategies. Carollo Engineers cannot and does not warrant or guarantee that proposals, bids or actual construction costs will not vary from the costs presented as shown.</i></p>		

Notes:

Capacity of Pump Station	=	7.7 mgd
TDH of Pump Station	=	200 feet
Cost per gallon	=	\$0.80
Technical Element Cost	=	\$6,160,000
Number of Diversion Structures	=	1
Cost per Diversion Structure	=	\$130,000
Technical Element Cost	=	\$130,000
Length of Forcemain	=	6400 feet
Diameter of Forcemain	=	18
Cost per LF of Forcemain	=	\$310
Technical Element Cost	=	\$1,984,000
Length of Gravity Sewer	=	100 feet
Diameter of Gravity Sewer	=	Assume 2'
Cost per LF of Gravity Sewer	=	\$750
Technical Element Cost	=	\$75,000
Length of HDD	=	1000 feet
Diameter of HDD	=	18
Cost per LF of HDD	=	\$422
Technical Element Cost	=	\$422,000
Street Restoration Area	=	16,000 sf
Cost per square foot	=	\$4.50
Adder Cost	=	\$72,000
Dewatering	=	\$1,514,120 TABULA formula

Retaining Wall Height	=	40 feet
Retaining Wall Length	=	100 feet
Cost per square foot	=	\$185
Adder Cost	=	\$740,000
Number of Frontage Buildings	=	11
Utility Relocation Cost per Building	=	\$15,000
Adder Cost	=	\$165,000

Preliminary real estate cost estimate. Needs to be updated.

Preliminary real estate cost estimate. Needs to be updated.

Preliminary real estate cost estimate. Needs to be updated.



PROJECT SUMMARY

Project: South Magnolia - 3A
 Job #:
 Location: Seattle, Washington
 Zip Code:

Estimate Class: Planning Level
 PIC: JPH
 PM: BRM
 Date: December-09
 By: CEH
 Reviewed:

NO.	DESCRIPTION	TOTAL
	TECHNICAL ELEMENT	\$12,530,000
	SPECIAL CONSTRUCTION	
	STREET RESTORATION	\$40,000
	DEWATERING	\$960,000
	SHORING	\$0
	RETAINING WALLS	\$1,920,000
	SITE ACCESS CONSIDERATIONS (20% OF TECHNICAL ELEMENT)	\$2,510,000
	UTILITY RELOCATION	\$0
	SPECIAL SITE RESTORATION	
	TURF FIELDS	\$0
	SPORTS COURTS	\$0
	ROOF DISCONNECTS	\$0
	SUB TOTAL - CONSTRUCTION COST	\$17,960,000
	ALLIED COST (30%)	\$5,390,000
	CONTINGENCY (50%)	\$8,980,000
	TOTAL CONSTRUCTION COST	\$32,330,000
	PERMITS AND LAND ACQUISITION	
	LAND ACQUISITION	SEE SUMMARY
	PERMITS	SEE SUMMARY
	SUBTOTAL - PERMITS AND LAND ACQUISITION	SEE SUMMARY
	PROJECT TOTAL	\$32,330,000

The cost estimate herein is based on our perception of current conditions at the project location. This estimate reflects our professional opinion of accurate costs at this time and is subject to change as the project design matures. Carollo Engineers have no control over variances in the cost of labor, materials, equipment; nor services provided by others, contractor's means and methods of executing the work or of determining prices, competitive bidding or market conditions, practices or bidding strategies. Carollo Engineers cannot and does not warrant or guarantee that proposals, bids or actual construction costs will not vary from the costs presented as shown.

Notes:

Number of Diversion Structures	=	1
Cost per Diversion Structure	=	\$130,000
Technical Element Cost	=	\$130,000
Length of Gravity Sewer	=	100 feet
Diameter of Gravity Sewer	=	Assume 2'
Cost per LF of Gravity Sewer	=	\$750
Technical Element Cost	=	\$75,000
HRC Capacity	=	7.70 mgd
Cost per gallon	=	\$1.60
Technical Element Cost	=	\$12,320,000
Street Restoration Area	=	8,000 sf
Cost per square foot	=	\$4.50
Adder Cost	=	\$36,000
Dewatering	=	\$957,320 TABULA formula
Retaining Wall Height	=	40 feet
Retaining Wall Length	=	260 feet
Cost per square foot	=	\$185
Adder Cost	=	\$1,924,000

Preliminary real estate cost estimate. Needs to be updated.

Preliminary real estate cost estimate. Needs to be updated.

Preliminary real estate cost estimate. Needs to be updated.

 PROJECT SUMMARY		
Project:	South Magnolia - 5A	Estimate Class: Planning Level
Job #:		PIC: JPH
Location:	Seattle, Washington	PM: BRM
Zip Code:		Date: December-09
		By: CEH
		Reviewed:
NO.	DESCRIPTION	TOTAL
	TECHNICAL ELEMENT	\$7,640,000
	SPECIAL CONSTRUCITON	
	STREET RESTORATION	\$40,000
	DEWATERING	\$960,000
	SHORING	\$0
	RETAINING WALLS	\$1,670,000
	SITE ACCESS CONSIDERATIONS (20% OF TECHNICAL ELEMENT)	\$1,530,000
	UTILITY RELOCATION	\$0
	SPECIAL SITE RESTORATION	
	TURF FIELDS	\$0
	SPORTS COURTS	\$0
	ROOF DISCONNECTS	\$1,800,000
	SUB TOTAL - CONSTRUCTION COST	\$13,640,000
	ALLIED COST (30%)	\$4,090,000
	CONTINGENCY (50%)	\$6,820,000
	TOTAL CONSTRUCTION COST	\$24,550,000
	PERMITS AND LAND ACQUISITION	
	LAND ACQUISITION	SEE SUMMARY
	PERMITS	SEE SUMMARY
	SUBTOTAL - PERMITS AND LAND ACQUISITION	SEE SUMMARY
	PROJECT TOTAL	\$24,550,000
<p><i>The cost estimate herein is based on our perception of current conditions at the project location. This estimate reflects our professional opinion of accurate costs at this time and is subject to change as the project design matures. Carollo Engineers have no control over variances in the cost of labor, materials, equipment; nor services provided by others, contractor's means and methods of executing the work or of determining prices, competitive bidding or market conditions, practices or bidding strategies. Carollo Engineers cannot and does not warrant or guarantee that proposals, bids or actual construction costs will not vary from the costs presented as shown.</i></p>		

Notes:

Volume of Storage Tank 1	=	1.08 MG
Cost per gallon for Storage Tank	=	\$6.75
Technical Element Cost	=	\$7,290,000
Storage Tank Submersible Pumps	=	\$218,101 TABULA for
Number of Diversion Structures	=	1
Cost per Diversion Structure	=	\$130,000
Technical Element Cost	=	\$130,000
Street Restoration Area	=	8,000 sf
Cost per square foot	=	\$4.50
Adder Cost	=	\$36,000
Dewatering	=	\$964,820 TABULA for
Retaining Wall Height	=	30 feet
Retaining Wall Length	=	300 feet
Cost per square foot	=	\$185
Adder Cost	=	\$1,665,000
Number of Roof Disconnections	=	600
Cost per Disconnection	=	\$3,000
Adder Cost	=	\$1,800,000

Preliminary real estate cost estimate. Needs to be updated.

Preliminary real estate cost estimate. Needs to be updated.

Preliminary real estate cost estimate. Needs to be updated.

SOUTH MAGNOLIA TECHNICAL ELEMENTS

1A																
Tank length (ft)	Submersible pumps	1.80	Pump Station Capacity (mgd)	0	Diversion Structure Number of	1	Forcemain length (ft)	0	Gravity Sewer length (ft)	100	HDD length (ft)	0	Tunnel length (ft)	0	Microtunnel length (ft)	0
width (ft)	Mgal		Head (ft)	0	\$/Diversion Structure	\$130,000	diameter (in)		Assume 2"		diameter (in)		diameter (in)		diameter (in)	
height (ft)	TABULA formula	\$237,512	Pump Efficiency	0.7	\$	\$130,000	\$/LF	\$30	\$750	\$/LF	\$30	\$	\$30	\$/LF	\$30	\$/LF
Volume (MG)	1.80		Motor Efficiency	0.7			\$	\$0	\$75,000	\$	\$0	\$	\$0	\$	\$	\$0
\$/gal	\$5.50		Power (hp)	0												
\$	\$9,900,000		Power (KW)	0												
			\$/gal	\$10												
			\$	\$0												
1A Total Technical Elements \$10,342,512																

1B																		
Tank 1 length (ft)	Tank 2 length (ft)	1.80	Submersible pumps	1.80	Pump Station Capacity (mgd)	0	Diversion Structure Number of	4	Forcemain length (ft)	400	Gravity Sewer length (ft)	1000	HDD length (ft)	0	Tunnel length (ft)	0	Microtunnel length (ft)	0
width (ft)	width (ft)		Mgal		Head (ft)	0	\$/Diversion Structure	\$130,000	diameter (in)	8"	diameter (in)	Assume 2"	diameter (in)		diameter (in)		diameter (in)	
height (ft)	height (ft)		TABULA formula	\$237,512	Pump Efficiency	0.7	\$	\$520,000	\$/LF	\$96,000	\$/LF	\$750	\$/LF	\$30	\$/LF	\$30	\$/LF	\$30
Volume (MG)	Volume (MG)	0.72			Motor Efficiency	0.7			\$	\$240	\$	\$750,000	\$	\$0	\$	\$0	\$	\$0
\$/gal	\$/gal	\$7.50			Power (hp)	0												
\$	\$	\$5,400,000			Power (KW)	0												
					\$/gal	\$10												
					\$	\$0												
1B Total Technical Elements \$14,293,512																		

1C																		
Tank 1 length (ft)	Tank 2 length (ft)	1.77	Submersible pumps	1.77	Pump Station Capacity (mgd)	0	Diversion Structure Number of	4	Forcemain length (ft)	0	Gravity Sewer length (ft)	400	HDD length (ft)	0	Tunnel length (ft)	0	Microtunnel length (ft)	0
width (ft)	width (ft)		Mgal		Head (ft)	0	\$/Diversion Structure	\$130,000	diameter (in)		diameter (in)	Assume 2"	diameter (in)		diameter (in)		diameter (in)	
height (ft)	height (ft)		TABULA formula	\$236,730	Pump Efficiency	0.7	\$	\$520,000	\$/LF	\$30	\$/LF	\$750	\$/LF	\$30	\$/LF	\$30	\$/LF	\$30
Volume (MG)	Volume (MG)	0.67			Motor Efficiency	0.7			\$	\$0	\$	\$300,000	\$	\$0	\$	\$0	\$	\$0
\$/gal	\$/gal	\$8.00			Power (hp)	0												
\$	\$	\$5,360,000			Power (KW)	0												
					\$/gal	\$10												
					\$	\$0												
1C Total Technical Elements \$13,566,730																		

1D																						
Tank length (ft)	Storage Pipe 1 length (ft)	600	Storage Pipe 2 length (ft)	950	Odor Control/Electrical	1.17	Submersible pumps	1.77	Pump Station Capacity (mgd)	0	Diversion Structure Number of	6	Forcemain length (ft)	0	Gravity Sewer length (ft)	600	HDD length (ft)	0	Tunnel length (ft)	0	Microtunnel length (ft)	0
width (ft)	diameter (ft)	12	diameter (ft)	12	Mgal		Mgal		Head (ft)	0	\$/Diversion Str.	\$130,000	diameter (in)		diameter (in)	Assume 2"	diameter (in)		diameter (in)		diameter (in)	
height (ft)					TABULA formula	\$200,600	TABULA formula	\$236,730	Pump Efficiency	0.7	\$	\$780,000	\$/LF	\$30	\$/LF	\$750	\$/LF	\$30	\$/LF	\$30	\$/LF	\$30
Volume (MG)	Volume (MG)	0.45	Volume (MG)	0.72					Motor Efficiency	0.7			\$	\$0	\$	\$450,000	\$	\$0	\$	\$0	\$	\$0
\$/gal	\$/gal	\$9.00	\$/gal	\$9.00					Power (hp)	0												
\$	\$	\$4,050,000	\$	\$4,050,000					Power (KW)	0												
									\$/gal	\$10												
									\$	\$0												
1D Total Technical Elements \$16,247,330																						

1E																		
Tank length (ft)	Odor Control/Electrical	2.54	Submersible Pumps	2.54	Pump Station Capacity (mgd)	0	Diversion Structure Number of	3	Forcemain length (ft)	200	Gravity Sewer length (ft)	300	HDD length (ft)	0	Tunnel Shafts	\$2,000,000	Microtunnel length (ft)	0
width (ft)	Mgal		Mgal		Head (ft)	0	\$/Diversion Structure	\$130,000	diameter (in)		diameter (in)	Assume 2"	diameter (in)		length (ft)	3000	diameter (in)	
height (ft)	TABULA formula	\$419,259	TABULA formula	\$256,171	Pump Efficiency	0.7	\$	\$390,000	\$/LF	\$240	\$/LF	\$750	\$/LF	\$30	length (ft)	144	\$/LF	\$30
Volume (MG)					Motor Efficiency	0.7			\$	\$48,000	\$	\$225,000	\$	\$0	\$	\$7,900	\$	\$0
\$/gal					Power (hp)	0										\$25,700,000		
\$					Power (KW)	0												
					\$/gal	\$10												
					\$	\$0												
1E Total Technical Elements \$27,038,429																		

1F.1																		
Tank length (ft)	Auger Cast Piles	1.80	Submersible Pumps	1.80	Pump Station Capacity (mgd)	0	Diversion Structure Number of	3	Forcemain length (ft)	200	Gravity Sewer length (ft)	300	HDD length (ft)	3000	Tunnel length (ft)	0	Microtunnel length (ft)	0
width (ft)	Number of		Mgal		Head (ft)	0	\$/Diversion Structure	\$130,000	diameter (in)	8"	diameter (in)	Assume 2"	diameter (in)	18	diameter (in)		diameter (in)	
height (ft)	\$/pile		TABULA formula	\$237,512	Pump Efficiency	0.7	\$	\$390,000	\$/LF	\$240	\$/LF	\$750	\$/LF	\$420	\$/LF	\$30	\$/LF	\$30
Volume (MG)	\$	\$993,000			Motor Efficiency	0.7			\$	\$48,000	\$	\$225,000	\$	\$1,260,000	\$	\$	\$	
\$/gal					Power (hp)	0												
\$					Power (KW)	0												
					\$/gal	\$10												
					\$	\$0												
1F.1 Total Technical Elements \$13,053,512																		

SOUTH MAGNOLIA TECHNICAL ELEMENTS

1F.2			
Tank length (ft)	Auger Cast Piles Number of \$/pile	Submersible Pumps Mgal	Pump Station Capacity (mgd)
width (ft)		TABULA formula	Head (ft)
height (ft)	\$		Pump Efficiency
Volume (MG)	1.80	\$993,000	Motor Efficiency
\$/gal	\$5.50		Power (hp)
\$	\$9,900,000		Power (KW)
			\$/gal
			\$
1F.2 Total Technical Elements	\$18,947,512		\$6,160,000

1F.3			
Tank length (ft)	Auger Cast Piles Number of \$/pile	Submersible Pumps Mgal	Pump Station Capacity (mgd)
width (ft)		TABULA formula	Head (ft)
height (ft)	\$		Pump Efficiency
Volume (MG)	1.80	\$993,000	Motor Efficiency
\$/gal	\$5.50		Power (hp)
\$	\$9,900,000		Power (KW)
			\$/gal
			\$
1F.3 Total Technical Elements	\$20,010,512		\$7,200,000

2A			
Tank length (ft)	Pump Station Capacity (mgd)	Diversion Structure Number of \$/Diversion Structure	Forcemain length (ft)
width (ft)	Head (ft)		diameter (in)
height (ft)	Pump Efficiency	\$	\$/LF
Volume (MG)	Motor Efficiency		\$
\$/gal	Power (hp)		
\$	Power (KW)		
	\$/gal		
	\$		
2A Total Technical Elements	\$8,771,000		\$6,160,000

3A			
Tank length (ft)	Pump Station Capacity (mgd)	Diversion Structure Number of \$/Diversion Structure	Forcemain length (ft)
width (ft)	Head (ft)		diameter (in)
height (ft)	Pump Efficiency	\$	\$/LF
Volume (MG)	Motor Efficiency		\$
\$/gal	Power (hp)		
\$	Power (KW)		
	\$/gal		
	\$		
3A Total Technical Elements	\$12,525,000		

5A			
Tank length (ft)	Submersible Pumps Mgal	Pump Station Capacity (mgd)	Diversion Structure Number of \$/Diversion Structure
width (ft)	TABULA formula		
height (ft)		Head (ft)	\$
Volume (MG)	1.08	Pump Efficiency	
\$/gal	\$6.75	Motor Efficiency	
\$	\$7,290,000	Power (hp)	
		Power (KW)	
		\$/gal	
		\$	
5A Total Technical Elements	\$7,638,101		\$0

Extra PS (submersible)
Capacity (mgd) 0.4
Head (feet)
\$/gal \$825,000
FM diameter (inches) 6
FM length (ft) 1200
\$/LF \$200,000
\$ \$240,000
Total \$ \$1,065,000

SOUTH MAGNOLIA ADDERS

Item	Site Restoration	Dewatering	Shoring	Retaining Walls	Utility Relocation	Turf fields	Sports Courts	Roof Disconnections
1A	Street (sf) 20,000 \$/sf \$4.50 \$ \$90,000.00	Mgal 1.80 TABULA formula \$1,033,077	Area (sf) 24,000 \$/sf \$17.00 \$ \$408,000.00	Height 30 Length 400 \$/sf \$185 \$ \$2,220,000	# of frontage buildings 0 \$/building \$15,000 \$ \$0	Area (sf) 0 \$/sf \$3 \$ \$0	Area (sf) 0 \$/sf \$0 \$ \$0	0
1B	Street (sf) 20,000 \$/sf \$4.50 \$ \$90,000.00	Mgal 1.80 TABULA formula \$1,033,077	Area (sf) 31,000 \$/sf \$17.00 \$ \$527,000.00	Height 30 Length 300 \$/sf \$185 \$ \$1,665,000	# of frontage buildings 25 \$/building \$15,000 \$ \$375,000	Area (sf) 0 \$/sf \$3 \$ \$0	Area (sf) 12,000 \$/sf \$17 \$ \$204,000	0
1C	Street (sf) 12,000 \$/sf \$4.50 \$ \$54,000.00	Mgal 1.77 TABULA formula \$1,030,205	Area (sf) 24,000 \$/sf \$17.00 \$ \$408,000.00	Height 30 Length 300 \$/sf \$185 \$ \$1,665,000	# of frontage buildings 3 \$/building \$15,000 \$ \$45,000	Area (sf) 0 \$/sf \$3 \$ \$0	Area (sf) 0 \$/sf \$0 \$ \$0	0
1D	Street (sf) 36,000 \$/sf \$4.50 \$ \$162,000.00	\$/LF \$200 \$ \$120,950	Area (sf) 17,000 \$/sf \$17.00 \$ \$289,000.00	Height 30 Length 300 \$/sf \$185 \$ \$1,665,000	# of frontage buildings 31 \$/building \$15,000 \$ \$465,000	Area (sf) 15,000 \$/sf \$3 \$ \$45,000	Area (sf) 0 \$/sf \$0 \$ \$0	0
1E	Street (sf) 22,000 \$/sf \$4.50 \$ \$99,000.00	Mgal 2.54 TABULA formula \$1,104,326	Area (sf) 0 \$/sf \$17.00 \$ \$0.00	Height 0 Length 0 \$/sf \$185 \$ \$0	# of frontage buildings 0 \$/building \$15,000 \$ \$0	Area (sf) 150,000 \$/sf \$3 \$ \$450,000	Area (sf) 0 \$/sf \$0 \$ \$0	0
1F.1	Street (sf) 4,000 \$/sf \$4.50 \$ \$18,000.00	Mgal 1.80 TABULA formula \$1,033,077	Area (sf) 0 \$/sf \$17.00 \$ \$0.00	Height 0 Length 0 \$/sf \$185 \$ \$0	# of frontage buildings 0 \$/building \$15,000 \$ \$0	Area (sf) 150,000 \$/sf \$3 \$ \$450,000	Area (sf) 0 \$/sf \$0 \$ \$0	0
1F.2	Street (sf) 14,000 \$/sf \$4.50 \$ \$63,000.00	Mgal 2.80 TABULA formula \$1,130,149 Length 2000 \$/LF \$87 \$ \$174,000 Total \$1,304,149	Area (sf) 0 \$/sf \$17.00 \$ \$0.00	Height 40 Length 100 \$/sf \$185 \$ \$740,000	# of frontage buildings 0 \$/building \$15,000 \$ \$0	Area (sf) 150,000 \$/sf \$3 \$ \$450,000	Area (sf) 0 \$/sf \$0 \$ \$0	0
1F.3	Street (sf) 4,000 \$/sf \$4.50 \$ \$18,000.00	Mgal 2.80 TABULA formula \$1,130,149	Area (sf) 0 \$/sf \$17.00 \$ \$0.00	Height 40 Length 100 \$/sf \$185 \$ \$740,000	# of frontage buildings 0 \$/building \$15,000 \$ \$0	Area (sf) 150,000 \$/sf \$3 \$ \$450,000	Area (sf) 0 \$/sf \$0 \$ \$0	0
2A	Street (sf) 16,000 \$/sf \$4.50 \$ \$72,000.00	Mgal 1.00 TABULA formula \$957,320 Length 6400 \$/LF \$87 \$ \$556,800 Total \$1,514,120	Area (sf) 0 \$/sf \$17.00 \$ \$0.00	Height 40 Length 100 \$/sf \$185 \$ \$740,000	# of frontage buildings 11 \$/building \$15,000 \$ \$165,000	Area (sf) 0 \$/sf \$3 \$ \$0	Area (sf) 0 \$/sf \$0 \$ \$0	0
3A	Street (sf) 8,000 \$/sf \$4.50 \$ \$36,000.00	Mgal 1 TABULA formula \$957,320	Area (sf) 0 \$/sf \$17.00 \$ \$0.00	Height 40 Length 260 \$/sf \$185 \$ \$1,924,000	# of frontage buildings 0 \$/building \$15,000 \$ \$0	Area (sf) 0 \$/sf \$3 \$ \$0	Area (sf) 0 \$/sf \$0 \$ \$0	0
5A	Street (sf) 8,000 \$/sf \$4.50 \$ \$36,000.00	Mgal 1.08 TABULA formula \$964,820	Area (sf) 0 \$/sf \$17.00 \$ \$0.00	Height 30 Length 300 \$/sf \$185 \$ \$1,665,000	# of frontage buildings 0 \$/building \$15,000 \$ \$0	Area (sf) 0 \$/sf \$3 \$ \$0	Area (sf) 0 \$/sf \$0 \$ \$0	Number \$/disconnection \$

Alternative	Site Restoration	Dewatering	Odor Control and Electrical	Submersible Pump Station	Shoring	Retaining Walls	Site Access Considerations	Land Acquisition	Permits	Utility Relocation	Turf Fields	Sports Courts	Roof Disconnections
1A	20,000 sf street restoration	TABULA formula for tank	Included in tank cost	TABULA formula for tank	24,000 sf	30'x400'	20% of Technical Element	KC	KC	None	None	None	None
1B	20,000 sf street restoration	TABULA formula for tank	Included in tank cost	TABULA formula for tank	17,000 sf 14,000 sf	30'x300'	20% of Technical Element	KC	KC	\$15,000/frontage building	None	12,000 sf	None
1C	12,000 sf street restoration	TABULA formula for tank	Included in tank cost	TABULA formula for tank	17,000 sf 7,000 sf	30'x300'	20% of Technical Element	KC	KC	\$15,000/frontage building	15,000 sf 3,000 sf	None	None
1D	12,000 sf street restoration 24,000 sf street restoration	TABULA formula for tank and pipe storage	Included in tank cost TABULA formula for pipe storage	TABULA formula for tank and pipe storage	17,000 sf	30'x300'	20% of Technical Element	KC	KC	\$15,000/frontage building	15,000 sf	None	None
1E	22,000 sf street	TABULA formula for tunnel	TABULA formula for tunnel	TABULA formula for tunnel	None	None	20% of Technical Element	KC	KC	None	150,000 sf	None	None
1F.1	4,000 sf street	TABULA formula for tank	Included in tank cost	TABULA formula	None		20% of Technical Element	KC	KC	None	150,000 sf	None	None
1F.2	14,000 sf street	TABULA formula for tank, PS, and FM	Included in tank cost	TABULA formula	None	40'x100'	20% of Technical Element	KC	KC	None	150,000 sf	None	None
1F.3	4,000 sf street	TABULA formula for tank and PS	Included in tank cost	TABULA formula	None	40'x100'	20% of Technical Element	KC	KC	None	150,000 sf	None	None
2A	4,000 sf street	TABULA formula for PS and FM	TABULA formula for FM	None	None	40'x100'	20% of Technical Element	KC	KC	\$15,000/frontage building	150,000 sf	None	None
3A	8,000 sf street	TABULA formula for HRC	Included in HRC cost	None	None	40'x260'	20% of Technical Element	KC	KC	None	None	None	None
5A	8,000 sf street	TABULA formula for tank	Included in tank cost	TABULA formula for tank	None	30'x300'	20% of Technical Element	KC	KC	None	None	None	600

\$3/sf for turf restoration (Allen)

\$4.50/sf for street restoration (Allen)

\$185/sf for retaining wall (Shannon and Wilson)

\$17/sf for special shoring (TABULA)

\$17/sf for sports court (Internet research)

Adder for 1F.3 for small submersible pump station and 1,200 LF, 6-inch diameter FM

\$3,000/roof disconnection

WTD Business Case Evaluation Results

Magnolia CSO Life Cycle Cost

WTD Borrowing Cost as Discount Rate (1)

Scenario	Lifetime	Initial Capital Outlay	Total Project Life Costs (2)	Total Project Life Benefits	Net Project Life Costs	Average Project Annual Cost	Annual Costs over(under) Status quo
Status Quo							
"Status Quo"	0	\$0	\$0	\$0	\$0	\$0	\$0
Alternatives							
"Alt 1A"	20	\$29,090,000	\$29,876,944	\$0	\$29,876,944	\$1,859,863	\$1,859,863
"Alt 1B"	20	\$37,900,000	\$39,232,249	\$0	\$39,232,249	\$2,442,239	\$2,442,239
"Alt 1C"	20	\$35,090,000	\$36,402,854	\$0	\$36,402,854	\$2,266,107	\$2,266,107
"Alt 1D"	20	\$40,070,000	\$41,623,520	\$0	\$41,623,520	\$2,591,097	\$2,591,097
"Alt 1E"	20	\$56,340,000	\$57,155,644	\$0	\$57,155,644	\$3,557,984	\$1,698,121
"Alt 1F.1"	20	\$30,890,000	\$32,063,935	\$0	\$32,063,935	\$1,996,005	-\$446,233

Budget Office Discount Rate (3)

Scenario	Lifetime	Initial Capital Outlay	Total Project Life Costs (2)	Total Project Life Benefits	Net Project Life Costs	Average Project Annual Cost	Annual Costs over(under) Status quo
Status Quo							
"Status Quo"	0	\$0	\$0	\$0	\$0	\$0	\$0
Alternatives							
"Alt 1A"	20	\$29,090,000	\$29,616,103	\$0	\$29,616,103	\$1,843,626	\$1,843,626
"Alt 1B"	20	\$37,900,000	\$38,790,661	\$0	\$38,790,661	\$2,414,749	\$2,414,749
"Alt 1C"	20	\$35,090,000	\$35,967,694	\$0	\$35,967,694	\$2,239,018	\$2,239,018
"Alt 1D"	20	\$40,070,000	\$41,108,589	\$0	\$41,108,589	\$2,559,042	\$2,559,042
"Alt 1E"	20	\$56,340,000	\$56,885,290	\$0	\$56,885,290	\$3,541,155	\$1,697,529
"Alt 1F.1"	20	\$30,890,000	\$31,674,822	\$0	\$31,674,822	\$1,971,783	-\$442,967

First Year of Construction 2014 Additional inflation rate > 3% 1.00%

Notes:

- (1) WTD Discount rate based on recent WTD borrowing costs net of 3% annual inflation. 2.18%
 - (2) Costs include risk and uncertainty, if estimated.
 - (3) Discount rate net of inflation, per the King County Budget Office. 7.00%
- The option with the largest net equivalent annualized cost is the financially preferred option.

WTD Business Case Evaluation Results

Magnolia CSO Life Cycle Cost

WTD Borrowing Cost as Discount Rate (1)

Scenario	Lifetime	Initial Capital Outlay	Total Project Life Costs (2)	Total Project Life Benefits	Net Project Life Costs	Average Project Annual Cost	Annual Costs over(under) Status quo
Status Quo							
"Status Quo"	0	\$0	\$0	\$0	\$0	\$0	\$0
Alternatives							
"Alt 1F.2"	20	\$45,530,000	\$47,399,079	\$0	\$47,399,079	\$2,950,630	\$2,950,630
"Alt 1F.3"	20	\$47,050,000	\$48,741,121	\$0	\$48,741,121	\$3,034,173	\$3,034,173
"Alt 2A"	20	\$23,420,000	\$24,364,189	\$0	\$24,364,189	\$1,516,690	\$1,516,690
"Alt 3A"	20	\$32,330,000	\$33,390,060	\$0	\$33,390,060	\$2,078,558	\$2,078,558
"Alt 5A"	20	\$24,550,000	\$25,092,713	\$0	\$25,092,713	\$1,562,041	-\$1,388,589

Budget Office Discount Rate (3)

Scenario	Lifetime	Initial Capital Outlay	Total Project Life Costs (2)	Total Project Life Benefits	Net Project Life Costs	Average Project Annual Cost	Annual Costs over(under) Status quo
Status Quo							
"Status Quo"	0	\$0	\$0	\$0	\$0	\$0	\$0
Alternatives							
"Alt 1F.2"	20	\$45,530,000	\$46,779,553	\$0	\$46,779,553	\$2,912,064	\$2,912,064
"Alt 1F.3"	20	\$47,050,000	\$48,180,581	\$0	\$48,180,581	\$2,999,279	\$2,999,279
"Alt 2A"	20	\$23,420,000	\$24,051,228	\$0	\$24,051,228	\$1,497,208	\$1,497,208
"Alt 3A"	20	\$32,330,000	\$33,038,692	\$0	\$33,038,692	\$2,056,685	\$2,056,685
"Alt 5A"	20	\$24,550,000	\$24,912,825	\$0	\$24,912,825	\$1,550,843	-\$1,361,221

First Year of Construction
2014
Additional inflation rate > 3%
1.00%

Notes:

- (1) WTD Discount rate based on recent WTD borrowing costs net of 3% annual inflation. 2.18%
 - (2) Costs include risk and uncertainty, if estimated.
 - (3) Discount rate net of inflation, per the King County Budget Office. 7.00%
- The option with the largest net equivalent annualized cost is the financially preferred option.

Describe Alternate 1A:-->
 Brief Title, 20 characters or less:
 "All 1A"
 Lifetime (in years)-->
 First year of O&M costs -->
 Electricity Supplier (SCL or PSE) -->
 Indicate "Plant" or "Off-Site" -->

Current year (from Results summary sheet)	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067
Total Benefits (from below)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Capital and O&M	\$53,332	\$53,866	\$54,404	\$54,948	\$55,498	\$56,053	\$56,613	\$57,179	\$57,751	\$58,329	\$58,912	\$59,501	\$60,096	\$60,697	\$61,304	\$61,917	\$62,536	\$63,162	\$63,793	\$64,431	\$65,076	\$65,726	\$66,384	\$67,047	\$67,718	\$68,395	\$69,079	\$69,770	\$70,468	\$71,172
Debt-related and O&M	\$53,332	\$53,866	\$54,404	\$54,948	\$55,498	\$56,053	\$56,613	\$57,179	\$57,751	\$58,329	\$58,912	\$59,501	\$60,096	\$60,697	\$61,304	\$61,917	\$62,536	\$63,162	\$63,793	\$64,431	\$65,076	\$65,726	\$66,384	\$67,047	\$67,718	\$68,395	\$69,079	\$69,770	\$70,468	\$71,172
Risk (from below)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Uncertainty (from below)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Capital outlays	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	
Debt issuance	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Debt service	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Energy use	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	
Natural Gas	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
therms	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Electricity	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	
Electricity Use kwh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Demand kW or kVa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Chemical spending	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	
Sodium hypochlorite required in gal.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bisulfide required in gal.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other chemical costs - enter \$	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Materials and Supplies	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Other Costs	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Labor	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	
Labor Hours	850	850	850	850	850	850	850	850	850	850	850	850	850	850	850	850	850	850	850	850	850	850	850	850	850	850	850	850	850	850	850

Benefits	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	
1.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

"Additional description of benefits 1, 2, etc."

UNCERTAINTIES	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	
1.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

"Additional description of uncertainties 1, 2, etc."

RISKS	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	
1.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

"Additional description of risks 1, 2, etc."

Describe Alternate 1B:--> Dispersed Storage at Bottom of Basin
 Brief Title, 20 characters or less: "Alt 1B"

Lifetime (in years)--> 20
 First year of O&M costs --> 2015
 Electricity Supplier (SCL or PSE) --> SCL
 Indicate "Plant" or "Off-Site" --> Off-Site

Please provide the appropriate information in the shaded areas
 See instructions below

Current year (from Results summary sheet)	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037
Total Benefits (from below)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Capital and O&M	\$37,971,108	\$71,819	\$72,537	\$73,263	\$73,995	\$74,735	\$75,483	\$76,238	\$77,000	\$77,770	\$78,548	\$79,333	\$80,126	\$80,928	\$81,737	\$82,554	\$83,380	\$84,214	\$85,056	\$85,906	\$86,765	\$87,633	\$88,509	\$89,395
Debt-related and O&M	\$3,188,413	\$2,431,124	\$2,431,843	\$2,432,568	\$2,433,301	\$2,434,041	\$2,434,788	\$2,435,543	\$2,436,305	\$2,437,075	\$2,437,853	\$2,438,638	\$2,439,432	\$2,440,233	\$2,441,042	\$2,441,859	\$2,442,685	\$2,443,519	\$2,444,361	\$2,445,212	\$86,765	\$87,633	\$88,509	\$89,395
Risk (from below)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Uncertainty (from below)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Capital outlays	\$37,900,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Debt issuance	\$758,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Debt service	\$2,359,305	\$2,359,305	\$2,359,305	\$2,359,305	\$2,359,305	\$2,359,305	\$2,359,305	\$2,359,305	\$2,359,305	\$2,359,305	\$2,359,305	\$2,359,305	\$2,359,305	\$2,359,305	\$2,359,305	\$2,359,305	\$2,359,305	\$2,359,305	\$2,359,305	\$2,359,305	\$2,359,305	\$2,359,305	\$2,359,305	\$2,359,305
Total Energy use																								
Natural Gas	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
therms	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Electricity Use kwh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Demand kW or kVa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chemical spending	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Sodium hypochlorite required in gal.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bisulfide required in gal.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other chemical costs - enter \$	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Materials and Supplies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Labor	\$71,108	\$71,819	\$72,537	\$73,263	\$73,995	\$74,735	\$75,483	\$76,238	\$77,000	\$77,770	\$78,548	\$79,333	\$80,126	\$80,928	\$81,737	\$82,554	\$83,380	\$84,214	\$85,056	\$85,906	\$86,765	\$87,633	\$88,509	\$89,395
Labor Hours	1439	1439	1439	1439	1439	1439	1439	1439	1439	1439	1439	1439	1439	1439	1439	1439	1439	1439	1439	1439	1439	1439	1439	1439

Benefits

1.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

"Additional description of benefits 1, 2, etc."

UNCERTAINTIES

1.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

"Additional description of uncertainties 1, 2, etc."

RISKS

1.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

"Additional description of risks 1, 2, etc."

Describe Alternate 1B:-->
 Brief Title, 20 characters or less:
 "Alt 1B"
 Lifetime (in years)-->
 First year of O&M costs -->
 Electricity Supplier (SCL or PSE) -->
 Indicate "Plant" or "Off-Site" -->

Current year (from Results summary sheet)	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067
Total Benefits (from below)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Capital and O&M	\$90,289	\$91,191	\$92,103	\$93,024	\$93,955	\$94,894	\$95,843	\$96,802	\$97,770	\$98,747	\$99,735	\$100,732	\$101,739	\$102,757	\$103,784	\$104,822	\$105,870	\$106,929	\$107,998	\$109,078	\$110,169	\$111,271	\$112,384	\$113,507	\$114,642	\$115,789	\$116,947	\$118,116	\$119,297	\$120,490
Debt-related and O&M	\$90,289	\$91,191	\$92,103	\$93,024	\$93,955	\$94,894	\$95,843	\$96,802	\$97,770	\$98,747	\$99,735	\$100,732	\$101,739	\$102,757	\$103,784	\$104,822	\$105,870	\$106,929	\$107,998	\$109,078	\$110,169	\$111,271	\$112,384	\$113,507	\$114,642	\$115,789	\$116,947	\$118,116	\$119,297	\$120,490
Risk (from below)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Uncertainty (from below)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Capital outlays	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Debt issuance	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Debt service	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Total Energy use	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Natural Gas	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
therms	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Electricity	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Electricity Use kwh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Demand kW or kVa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total Chemical spending	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Sodium hypochlorite required in gal.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bisulfide required in gal.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Other chemical costs - enter \$	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
Materials and Supplies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Other Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Labor	\$90,289	\$91,191	\$92,103	\$93,024	\$93,955	\$94,894	\$95,843	\$96,802	\$97,770	\$98,747	\$99,735	\$100,732	\$101,739	\$102,757	\$103,784	\$104,822	\$105,870	\$106,929	\$107,998	\$109,078	\$110,169	\$111,271	\$112,384	\$113,507	\$114,642	\$115,789	\$116,947	\$118,116	\$119,297	\$120,490
Labor Hours	1439	1439	1439	1439	1439	1439	1439	1439	1439	1439	1439	1439	1439	1439	1439	1439	1439	1439	1439	1439	1439	1439	1439	1439	1439	1439	1439	1439	1439	

Benefits	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067
1.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
2.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
3.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
4.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	

"Additional description of benefits 1, 2, etc."

UNCERTAINTIES	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067
1.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
2.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
3.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
4.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	

"Additional description of uncertainties 1, 2, etc."

RISKS	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067
1.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
2.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
3.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
4.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	

"Additional description of risks 1, 2, etc."

Describe Alternate # 1C:-->

Brief Title, 20 characters or less:
 "Alt 1C"
 Lifetime (in years)-->
 First year of O&M costs -->
 Electricity Supplier (SCL or PSE) -->
 In "Plant" or "Off-Site" -->

Current year (from Results summary sheet)	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	
Total Benefits (from below)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Capital and O&M	\$89,864	\$90,762	\$91,670	\$92,587	\$93,513	\$94,448	\$95,392	\$96,346	\$97,310	\$98,283	\$99,266	\$100,258	\$101,261	\$102,273	\$103,296	\$104,329	\$105,372	\$106,426	\$107,490	\$108,565	\$109,651	\$110,747	\$111,855	\$112,973	\$114,103	\$115,244	\$116,397	\$117,561	\$118,736	
Debt-related and O&M	\$89,864	\$90,762	\$91,670	\$92,587	\$93,513	\$94,448	\$95,392	\$96,346	\$97,310	\$98,283	\$99,266	\$100,258	\$101,261	\$102,273	\$103,296	\$104,329	\$105,372	\$106,426	\$107,490	\$108,565	\$109,651	\$110,747	\$111,855	\$112,973	\$114,103	\$115,244	\$116,397	\$117,561	\$118,736	
Risk (from below)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Uncertainty (from below)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Capital outlays	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Debt issuance	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Debt service	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Total Energy use	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Natural Gas	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
therms	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Electricity Use kwh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Demand kW or kVa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chemical spending	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Sodium hypochlorite required in gal.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bisulfide required in gal.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other chemical costs - enter \$	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Materials and Supplies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Labor Hours	\$89,864	\$90,762	\$91,670	\$92,587	\$93,513	\$94,448	\$95,392	\$96,346	\$97,310	\$98,283	\$99,266	\$100,258	\$101,261	\$102,273	\$103,296	\$104,329	\$105,372	\$106,426	\$107,490	\$108,565	\$109,651	\$110,747	\$111,855	\$112,973	\$114,103	\$115,244	\$116,397	\$117,561	\$118,736	
	1418.05	1418.05	1418.05	1418.05	1418.05	1418.05	1418.05	1418.05	1418.05	1418.05	1418.05	1418.05	1418.05	1418.05	1418.05	1418.05	1418.05	1418.05	1418.05	1418.05	1418.05	1418.05	1418.05	1418.05	1418.05	1418.05	1418.05	1418.05	1418.05	

Benefits

1.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

"Additional description of benefits 1, 2, etc."

UNCERTAINTIES

1.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

"Additional description of uncertainties 1, 2, etc."

RISKS

1.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

"Additional description of risks 1, 2, etc."

Describe Alternate 1D:-->

Brief Title, 20 characters or less:
 "Alt 1D"
 Lifetime (in years)-->
 First year of O&M costs -->
 Electricity Supplier (SCL or PSE) -->
 Indicate "Plant" or "Off-Site" -->

Dispersed Pipe Storage in Three Locations
 * * *
 * * *
 * * *
 20 Please provide See instructions below
 2015 the appropriate
 SCL information in the
 Off-Site shaded areas

Current year (from Results summary sheet)	All projects costs through																								
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Benefits (from below)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Capital and O&M	\$40,152,918	\$83,748	\$84,585	\$85,431	\$86,285	\$87,148	\$88,020	\$88,900	\$89,789	\$90,687	\$91,593	\$92,509	\$93,434	\$94,369	\$95,313	\$96,266	\$97,228	\$98,201	\$99,183	\$100,174	\$101,176	\$102,188	\$103,210	\$104,242	\$105,284
Debt-related and O&M	\$3,378,708	\$2,578,137	\$2,578,974	\$2,579,820	\$2,580,675	\$2,581,537	\$2,582,409	\$2,583,289	\$2,584,178	\$2,585,076	\$2,585,983	\$2,586,899	\$2,587,824	\$2,588,758	\$2,589,702	\$2,590,655	\$2,591,618	\$2,592,590	\$2,593,572	\$2,594,564	\$101,176	\$102,188	\$103,210	\$104,242	\$105,284
Risk (from below)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Uncertainty (from below)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Capital outlays	\$40,070,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Debt issuance	\$801,400	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Debt service	\$2,494,389	\$2,494,389	\$2,494,389	\$2,494,389	\$2,494,389	\$2,494,389	\$2,494,389	\$2,494,389	\$2,494,389	\$2,494,389	\$2,494,389	\$2,494,389	\$2,494,389	\$2,494,389	\$2,494,389	\$2,494,389	\$2,494,389	\$2,494,389	\$2,494,389	\$2,494,389	\$2,494,389	\$0	\$0	\$0	\$0

Total Energy use	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Natural Gas	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
therms	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Electricity Use kwh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Demand kW or kVa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Total Chemical spending	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Sodium hypochlorite required in gal.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bisulfide required in gal.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other chemical costs - enter \$	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Materials and Supplies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
-------------------------------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

Other Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
--------------------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

Labor	\$82,918	\$83,748	\$84,585	\$85,431	\$86,285	\$87,148	\$88,020	\$88,900	\$89,789	\$90,687	\$91,593	\$92,509	\$93,434	\$94,369	\$95,313	\$96,266	\$97,228	\$98,201	\$99,183	\$100,174	\$101,176	\$102,188	\$103,210	\$104,242	\$105,284
Labor Hours	1678	1678	1678	1678	1678	1678	1678	1678	1678	1678	1678	1678	1678	1678	1678	1678	1678	1678	1678	1678	1678	1678	1678	1678	1678

Benefits	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

"Additional description of benefits 1, 2, etc."

UNCERTAINTIES	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

"Additional description of uncertainties 1, 2, etc."

RISKS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

"Additional description of risks 1, 2, etc."

Describe Alternate 1D:-->

Brief Title, 20 characters or less:
 "Alt 1D"
 Lifetime (in years)-->
 First year of O&M costs -->
 Electricity Supplier (SCL or PSE) -->
 Indicate "Plant" or "Off-Site" -->

Current year (from Results summary sheet)

	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067
Total Benefits (from below)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Capital and O&M	\$106,337	\$107,401	\$108,475	\$109,559	\$110,655	\$111,761	\$112,879	\$114,008	\$115,148	\$116,299	\$117,462	\$118,637	\$119,823	\$121,022	\$122,232	\$123,454	\$124,689	\$125,936	\$127,195	\$128,467	\$129,752	\$131,049	\$132,360	\$133,683	\$135,020	\$136,370	\$137,734	\$139,111	\$140,502
Debt-related and O&M	\$106,337	\$107,401	\$108,475	\$109,559	\$110,655	\$111,761	\$112,879	\$114,008	\$115,148	\$116,299	\$117,462	\$118,637	\$119,823	\$121,022	\$122,232	\$123,454	\$124,689	\$125,936	\$127,195	\$128,467	\$129,752	\$131,049	\$132,360	\$133,683	\$135,020	\$136,370	\$137,734	\$139,111	\$140,502
Risk (from below)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Uncertainty (from below)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Capital outlays	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067
Debt issuance	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Debt service	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Total Energy use	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067
Natural Gas	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
therms	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Electricity	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067
Electricity Use kwh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Demand kW or kVa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Total Chemical spending	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067
Sodium hypochlorite required in gal.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bisulfide required in gal.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other chemical costs - enter \$	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Materials and Supplies	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Other Costs	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Labor	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067
Labor Hours	1678	1678	1678	1678	1678	1678	1678	1678	1678	1678	1678	1678	1678	1678	1678	1678	1678	1678	1678	1678	1678	1678	1678	1678	1678	1678	1678	1678	1678

Benefits	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067
1.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

"Additional description of benefits 1, 2, etc."

UNCERTAINTIES	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067
1.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

"Additional description of uncertainties 1, 2, etc."

RISKS	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067
1.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

"Additional description of risks 1, 2, etc."

Describe Alternate 1E:-->

Brief Title, 20 characters or less: "Alt. 1E"	Tunnel Storage at Bottom of Basin
--	-----------------------------------

Lifetime (in years)-->	20	Please provide	See instructions below
First year of O&M costs -->	2015	the appropriate	
Electricity Supplier (SCL or PSE) -->	SCL	information in the	
Indicate "Plant" or "Off-Site" -->	Off-Site	shaded areas	

Current year (from Results summary sheet)	All projects costs through																								
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Benefits (from below)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Capital and O&M	\$56,383,535	\$43,970	\$44,410	\$44,854	\$45,302	\$45,755	\$46,213	\$46,675	\$47,142	\$47,613	\$48,089	\$48,570	\$49,056	\$49,546	\$50,042	\$50,542	\$51,048	\$51,558	\$52,074	\$52,595	\$53,120	\$53,652	\$54,188	\$54,730	\$55,277
Debt-related and O&M	\$4,677,544	\$3,551,180	\$3,551,619	\$3,552,064	\$3,552,512	\$3,552,965	\$3,553,423	\$3,553,885	\$3,554,351	\$3,554,823	\$3,555,299	\$3,555,780	\$3,556,266	\$3,556,756	\$3,557,252	\$3,557,752	\$3,558,258	\$3,558,768	\$3,559,284	\$3,559,804	\$53,120	\$53,652	\$54,188	\$54,730	\$55,277
Risk (from below)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Uncertainty (from below)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Capital outlays	\$56,340,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Debt issuance	\$1,126,800	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Debt service	\$3,507,210	\$3,507,210	\$3,507,210	\$3,507,210	\$3,507,210	\$3,507,210	\$3,507,210	\$3,507,210	\$3,507,210	\$3,507,210	\$3,507,210	\$3,507,210	\$3,507,210	\$3,507,210	\$3,507,210	\$3,507,210	\$3,507,210	\$3,507,210	\$3,507,210	\$3,507,210	\$3,507,210	\$3,507,210	\$3,507,210	\$3,507,210	\$3,507,210

Total Energy use	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Natural Gas	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
therms	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Electricity	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Electricity Use kwh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Demand kW or kVa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Total Chemical spending	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Sodium hypochlorite required in gal.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bisulfide required in gal.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other chemical costs - enter \$	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Materials and Supplies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
-------------------------------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

Other Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
--------------------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

Labor	\$43,535	\$43,970	\$44,410	\$44,854	\$45,302	\$45,755	\$46,213	\$46,675	\$47,142	\$47,613	\$48,089	\$48,570	\$49,056	\$49,546	\$50,042	\$50,542	\$51,048	\$51,558	\$52,074	\$52,595	\$53,120	\$53,652	\$54,188	\$54,730	\$55,277
Labor Hours	881	881	881	881	881	881	881	881	881	881	881	881	881	881	881	881	881	881	881	881	881	881	881	881	881

Benefits	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

"Additional description of benefits 1, 2, etc."

UNCERTAINTIES	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

"Additional description of uncertainties 1, 2, etc."

RISKS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

"Additional description of risks 1, 2, etc."

Describe Alternate 1E:-->

Brief Title, 20 characters or less:
 "AIL 1E"
 Lifetime (in years)-->
 First year of O&M costs -->
 Electricity Supplier (SCL or PSE) -->
 Indicate "Plant" or "Off-Site" -->

Current year (from Results summary sheet)	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067
Total Benefits (from below)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Capital and O&M	\$55,830	\$56,388	\$56,952	\$57,522	\$58,097	\$58,678	\$59,265	\$59,858	\$60,456	\$61,061	\$61,671	\$62,288	\$62,911	\$63,540	\$64,175	\$64,817	\$65,465	\$66,120	\$66,781	\$67,449	\$68,123	\$68,805	\$69,493	\$70,188	\$70,890	\$71,598	\$72,314	\$73,038	\$73,768
Debt-related and O&M	\$55,830	\$56,388	\$56,952	\$57,522	\$58,097	\$58,678	\$59,265	\$59,858	\$60,456	\$61,061	\$61,671	\$62,288	\$62,911	\$63,540	\$64,175	\$64,817	\$65,465	\$66,120	\$66,781	\$67,449	\$68,123	\$68,805	\$69,493	\$70,188	\$70,890	\$71,598	\$72,314	\$73,038	\$73,768
Risk (from below)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Uncertainty (from below)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Capital outlays	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067
Debt issuance	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Debt service	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Total Energy use	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067
Natural Gas	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
therms	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Electricity Use kwh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Demand kW or kVa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Total Chemical spending	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067
Sodium hypochlorite required in gal.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bisulfide required in gal.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other chemical costs - enter \$	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Materials and Supplies	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Other Costs	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Labor	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067
Labor Hours	\$55,830	\$56,388	\$56,952	\$57,522	\$58,097	\$58,678	\$59,265	\$59,858	\$60,456	\$61,061	\$61,671	\$62,288	\$62,911	\$63,540	\$64,175	\$64,817	\$65,465	\$66,120	\$66,781	\$67,449	\$68,123	\$68,805	\$69,493	\$70,188	\$70,890	\$71,598	\$72,314	\$73,038	\$73,768
	881	881	881	881	881	881	881	881	881	881	881	881	881	881	881	881	881	881	881	881	881	881	881	881	881	881	881	881	881

Benefits	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067
1.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

"Additional description of benefits 1, 2, etc."

UNCERTAINTIES	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067
1.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

"Additional description of uncertainties 1, 2, etc."

RISKS	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067
1.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

"Additional description of risks 1, 2, etc."

Describe Alternate 1F.1:-->

Brief Title, 20 characters or less:
 "Alt 1F.1"
 Lifetime (in years)-->
 First year of O&M costs -->
 Electricity Supplier (SCL or PSE) -->
 Indicate "Plant" or "Off-Site" -->

Current year (from Results summary sheet)

	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062
Total Benefits (from below)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Capital and O&M	\$78,772	\$79,559	\$80,355	\$81,158	\$81,970	\$82,790	\$83,618	\$84,454	\$85,298	\$86,151	\$87,013	\$87,883	\$88,762	\$89,649	\$90,546	\$91,451	\$92,366	\$93,290	\$94,222	\$95,165	\$96,116	\$97,077	\$98,048	\$99,029	\$100,019	\$101,019
Debt-related and O&M	\$78,772	\$79,559	\$80,355	\$81,158	\$81,970	\$82,790	\$83,618	\$84,454	\$85,298	\$86,151	\$87,013	\$87,883	\$88,762	\$89,649	\$90,546	\$91,451	\$92,366	\$93,290	\$94,222	\$95,165	\$96,116	\$97,077	\$98,048	\$99,029	\$100,019	\$101,019
Risk (from below)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Uncertainty (from below)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Capital outlays	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Debt issuance	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Debt service	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Energy use	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Natural Gas	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
therms	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Electricity Use kwh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Demand kW or kVa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chemical spending	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Sodium hypochlorite required in gal.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bisulfide required in gal.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other chemical costs - enter \$	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Materials and Supplies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Labor	\$78,772	\$79,559	\$80,355	\$81,158	\$81,970	\$82,790	\$83,618	\$84,454	\$85,298	\$86,151	\$87,013	\$87,883	\$88,762	\$89,649	\$90,546	\$91,451	\$92,366	\$93,290	\$94,222	\$95,165	\$96,116	\$97,077	\$98,048	\$99,029	\$100,019	\$101,019
Labor Hours	1268	1268	1268	1268	1268	1268	1268	1268	1268	1268	1268	1268	1268	1268	1268	1268	1268	1268	1268	1268	1268	1268	1268	1268	1268	1268

Benefits

1.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

"Additional description of benefits 1, 2, etc."

UNCERTAINTIES

1.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

"Additional description of uncertainties 1, 2, etc."

RISKS

1.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

"Additional description of risks 1, 2, etc."

Describe Alternate 1F.2:-->	Rectangular Storage Out of Basin
Brief Title, 20 characters or less:	
Alt 1F.2	

Lifetime (in years)-->	20	Please provide	See instructions below
First year of O&M costs -->	2015	the appropriate	
Electricity Supplier (SCL or PSE) -->	SCL	information in the	
Indicate "Plant" or "Off-Site" -->	Off-site	shaded areas	

Current year (from Results summary sheet)	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Benefits (from below)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Capital and O&M	\$45,629,761	\$100,759	\$101,766	\$102,784	\$103,812	\$104,850	\$105,899	\$106,958	\$108,027	\$109,107	\$110,198	\$111,300	\$112,413	\$113,538	\$114,673	\$115,820	\$116,978	\$118,148	\$119,329	\$120,522	\$121,728	\$122,945	\$124,174	\$125,416	\$126,670
Debt-related and O&M	\$3,844,640	\$2,935,037	\$2,936,045	\$2,937,063	\$2,938,091	\$2,939,129	\$2,940,177	\$2,941,236	\$2,942,306	\$2,943,386	\$2,944,477	\$2,945,579	\$2,946,692	\$2,947,816	\$2,948,952	\$2,950,098	\$2,951,257	\$2,952,426	\$2,953,608	\$2,954,801	\$121,728	\$122,945	\$124,174	\$125,416	\$126,670
Risk (from below)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Uncertainty (from below)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Capital outlays	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Debt issuance	\$910,600	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Debt service	\$2,834,279	\$2,834,279	\$2,834,279	\$2,834,279	\$2,834,279	\$2,834,279	\$2,834,279	\$2,834,279	\$2,834,279	\$2,834,279	\$2,834,279	\$2,834,279	\$2,834,279	\$2,834,279	\$2,834,279	\$2,834,279	\$2,834,279	\$2,834,279	\$2,834,279	\$2,834,279	\$2,834,279	\$2,834,279	\$2,834,279	\$2,834,279	\$2,834,279

Energy use	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Natural Gas	\$12,692	\$12,819	\$12,947	\$13,077	\$13,207	\$13,339	\$13,473	\$13,608	\$13,744	\$13,881	\$14,020	\$14,160	\$14,302	\$14,445	\$14,589	\$14,735	\$14,882	\$15,031	\$15,182	\$15,333	\$15,487	\$15,642	\$15,798	\$15,956	\$16,115
therms	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity	\$12,692	\$12,819	\$12,947	\$13,077	\$13,207	\$13,339	\$13,473	\$13,608	\$13,744	\$13,881	\$14,020	\$14,160	\$14,302	\$14,445	\$14,589	\$14,735	\$14,882	\$15,031	\$15,182	\$15,333	\$15,487	\$15,642	\$15,798	\$15,956	\$16,115
Electricity Use kwh	190000	190000	190000	190000	190000	190000	190000	190000	190000	190000	190000	190000	190000	190000	190000	190000	190000	190000	190000	190000	190000	190000	190000	190000	190000
Demand kW or kVA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Chemical spending	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Sodium hypochlorite required in gal.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bisulfide required in gal.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other chemical costs - enter \$	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Materials and Supplies	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Other Costs	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Labor	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Labor Hours	87,069	87,940	88,819	89,708	90,605	91,511	92,426	93,350	94,283	95,226	96,179	97,140	98,112	99,093	100,084	101,085	102,096	103,116	104,148	105,189	106,241	107,303	108,376	109,460	110,555

Benefits	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
1.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

UNCERTAINTIES	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
1.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

RISKS	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
1.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Describe Alternate 1F.2:-->
 Brief Title, 20 characters or less:
 "Alt 1F.2"
 Lifetime (in years)-->
 First year of O&M costs -->
 Electricity Supplier (SCL or PSE) -->
 Indicate "Plant" or "Off-Site" -->

Current year (from Results summary sheet)	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067
Total Benefits (from below)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Capital and O&M	\$127,937	\$129,216	\$130,509	\$131,814	\$133,132	\$134,463	\$135,808	\$137,166	\$138,537	\$139,923	\$141,322	\$142,735	\$144,163	\$145,604	\$147,060	\$148,531	\$150,016	\$151,516	\$153,031	\$154,562	\$156,107	\$157,669	\$159,245	\$160,838	\$162,446	\$164,070	\$165,711	\$167,368	\$169,042
Debt-related and O&M	\$127,937	\$129,216	\$130,509	\$131,814	\$133,132	\$134,463	\$135,808	\$137,166	\$138,537	\$139,923	\$141,322	\$142,735	\$144,163	\$145,604	\$147,060	\$148,531	\$150,016	\$151,516	\$153,031	\$154,562	\$156,107	\$157,669	\$159,245	\$160,838	\$162,446	\$164,070	\$165,711	\$167,368	\$169,042
Risk (from below)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Uncertainty (from below)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Capital outlays	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Debt issuance	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Debt service	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Energy use	\$16,277	\$16,439	\$16,604	\$16,770	\$16,938	\$17,107	\$17,278	\$17,451	\$17,625	\$17,802	\$17,980	\$18,159	\$18,341	\$18,524	\$18,710	\$18,897	\$19,086	\$19,276	\$19,469	\$19,664	\$19,861	\$20,059	\$20,260	\$20,462	\$20,667	\$20,874	\$21,082	\$21,293	\$21,506
Natural Gas	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
therms	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity	\$16,277	\$16,439	\$16,604	\$16,770	\$16,938	\$17,107	\$17,278	\$17,451	\$17,625	\$17,802	\$17,980	\$18,159	\$18,341	\$18,524	\$18,710	\$18,897	\$19,086	\$19,276	\$19,469	\$19,664	\$19,861	\$20,059	\$20,260	\$20,462	\$20,667	\$20,874	\$21,082	\$21,293	\$21,506
Electricity Use kwh	190000	190000	190000	190000	190000	190000	190000	190000	190000	190000	190000	190000	190000	190000	190000	190000	190000	190000	190000	190000	190000	190000	190000	190000	190000	190000	190000	190000	190000
Demand kW or kVa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chemical spending	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Sodium hypochlorite required in gal.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bisulfide required in gal.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other chemical costs - enter \$	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Materials and Supplies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Labor	\$111,660	\$112,777	\$113,905	\$115,044	\$116,194	\$117,356	\$118,530	\$119,715	\$120,912	\$122,121	\$123,342	\$124,576	\$125,822	\$127,080	\$128,351	\$129,634	\$130,931	\$132,240	\$133,562	\$134,898	\$136,247	\$137,609	\$138,985	\$140,375	\$141,779	\$143,197	\$144,629	\$146,075	\$147,536
Labor Hours	1762	1762	1762	1762	1762	1762	1762	1762	1762	1762	1762	1762	1762	1762	1762	1762	1762	1762	1762	1762	1762	1762	1762	1762	1762	1762	1762	1762	

Benefits

1.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

"Additional description of benefits 1, 2, etc."

UNCERTAINTIES

1.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

"Additional description of uncertainties 1, 2, etc."

RISKS

1.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

"Additional description of risks 1, 2, etc."

Describe Alternate 1F.3:--> Rectangular Storage Out of Basin
 Brief Title, 20 characters or less:
 "Alt 1F.3"

Lifetime (in years)--> 20 Please provide See instructions below
 First year of O&M costs --> 2015 the appropriate
 Electricity Supplier (SCL or PSE) --> SCL information in the
 "Plant" or "Off-Site" --> Off-Site shaded areas

Current year (from Results summary sheet)	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037
Total Benefits (from below)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Capital and O&M	\$47,140,263	\$91,165	\$92,077	\$92,998	\$93,928	\$94,867	\$95,816	\$96,774	\$97,742	\$98,719	\$99,706	\$100,703	\$101,710	\$102,727	\$103,755	\$104,792	\$105,840	\$106,899	\$107,968	\$109,047	\$110,138	\$111,239	\$112,351	\$113,475
Debt-related and O&M	\$3,960,163	\$3,020,065	\$3,020,977	\$3,021,898	\$3,022,828	\$3,023,767	\$3,024,716	\$3,025,674	\$3,026,642	\$3,027,619	\$3,028,606	\$3,029,603	\$3,030,610	\$3,031,627	\$3,032,655	\$3,033,692	\$3,034,740	\$3,035,798	\$3,036,867	\$3,037,947	\$110,138	\$111,239	\$112,351	\$113,475
Risk (from below)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Uncertainty (from below)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Capital outlays	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037
Debt issuance	\$941,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Debt service	\$2,928,900	\$2,928,900	\$2,928,900	\$2,928,900	\$2,928,900	\$2,928,900	\$2,928,900	\$2,928,900	\$2,928,900	\$2,928,900	\$2,928,900	\$2,928,900	\$2,928,900	\$2,928,900	\$2,928,900	\$2,928,900	\$2,928,900	\$2,928,900	\$2,928,900	\$2,928,900	\$0	\$0	\$0	\$0

Total Energy use	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037
Natural Gas	\$4,676	\$4,723	\$4,770	\$4,818	\$4,866	\$4,915	\$4,964	\$5,013	\$5,063	\$5,114	\$5,165	\$5,217	\$5,269	\$5,322	\$5,375	\$5,429	\$5,483	\$5,538	\$5,593	\$5,649	\$5,706	\$5,763	\$5,820	\$5,878
therms	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Electricity	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037
Electricity Use kwh	70000	70000	70000	70000	70000	70000	70000	70000	70000	70000	70000	70000	70000	70000	70000	70000	70000	70000	70000	70000	70000	70000	70000	70000
Demand kW or kVa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Total Chemical spending	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037
Sodium hypochlorite required in gal.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bisulfide required in gal.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other chemical costs - enter \$	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Materials and Supplies	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Other Costs	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Labor	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037
Labor Hours	85,587	86,443	87,307	88,180	89,062	89,953	90,852	91,761	92,678	93,605	94,541	95,486	96,441	97,406	98,380	99,364	100,357	101,361	102,374	103,398	104,432	105,476	106,531	107,597
	1732	1732	1732	1732	1732	1732	1732	1732	1732	1732	1732	1732	1732	1732	1732	1732	1732	1732	1732	1732	1732	1732	1732	1732

Benefits	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037
1.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

"Additional description of benefits 1, 2, etc."

UNCERTAINTIES	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037
1.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

"Additional description of uncertainties 1, 2, etc."

RISKS	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037
1.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

"Additional description of risks 1, 2, etc."

Describe Alternate 1F.3:-->
 Brief Title, 20 characters or less:
 "All 1F.3"
 Lifetime (in years)-->
 First year of O&M costs -->
 Electricity Supplier (SCL or PSE) -->
 Indicate "Plant" or "Off-Site" -->

Current year (from Results summary sheet)	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067
Total Benefits (from below)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Capital and O&M	\$114,610	\$115,756	\$116,913	\$118,083	\$119,263	\$120,456	\$121,661	\$122,877	\$124,106	\$125,347	\$126,600	\$127,866	\$129,145	\$130,437	\$131,741	\$133,058	\$134,389	\$135,733	\$137,090	\$138,461	\$139,846	\$141,244	\$142,657	\$144,083	\$145,524	\$146,979	\$148,449	\$149,934	\$151,433	\$152,947
Debt-related and O&M	\$114,610	\$115,756	\$116,913	\$118,083	\$119,263	\$120,456	\$121,661	\$122,877	\$124,106	\$125,347	\$126,600	\$127,866	\$129,145	\$130,437	\$131,741	\$133,058	\$134,389	\$135,733	\$137,090	\$138,461	\$139,846	\$141,244	\$142,657	\$144,083	\$145,524	\$146,979	\$148,449	\$149,934	\$151,433	\$152,947
Risk (from below)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Uncertainty (from below)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Capital outlays	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Debt issuance	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Debt service	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Total Energy use	\$5,937	\$5,997	\$6,057	\$6,117	\$6,178	\$6,240	\$6,303	\$6,366	\$6,429	\$6,494	\$6,558	\$6,624	\$6,690	\$6,757	\$6,825	\$6,893	\$6,962	\$7,032	\$7,102	\$7,173	\$7,245	\$7,317	\$7,390	\$7,464	\$7,539	\$7,614	\$7,690	\$7,767	\$7,845	\$7,923
Natural Gas	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
therms	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity	\$5,937	\$5,997	\$6,057	\$6,117	\$6,178	\$6,240	\$6,303	\$6,366	\$6,429	\$6,494	\$6,558	\$6,624	\$6,690	\$6,757	\$6,825	\$6,893	\$6,962	\$7,032	\$7,102	\$7,173	\$7,245	\$7,317	\$7,390	\$7,464	\$7,539	\$7,614	\$7,690	\$7,767	\$7,845	\$7,923
Electricity Use kwh	70000	70000	70000	70000	70000	70000	70000	70000	70000	70000	70000	70000	70000	70000	70000	70000	70000	70000	70000	70000	70000	70000	70000	70000	70000	70000	70000	70000	70000	
Demand kW or kVa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chemical spending	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Sodium hypochlorite required in gal.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bisulfide required in gal.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Other chemical costs - enter \$	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Materials and Supplies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Other Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Labor	\$108,672	\$109,759	\$110,857	\$111,965	\$113,085	\$114,216	\$115,358	\$116,512	\$117,677	\$118,853	\$120,042	\$121,242	\$122,455	\$123,679	\$124,916	\$126,165	\$127,427	\$128,701	\$129,988	\$131,288	\$132,601	\$133,927	\$135,266	\$136,619	\$137,985	\$139,365	\$140,759	\$142,166	\$143,588	\$145,024
Labor Hours	1732	1732	1732	1732	1732	1732	1732	1732	1732	1732	1732	1732	1732	1732	1732	1732	1732	1732	1732	1732	1732	1732	1732	1732	1732	1732	1732	1732	1732	

Benefits

1.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

"Additional description of benefits 1, 2, etc."

UNCERTAINTIES

1.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

"Additional description of uncertainties 1, 2, etc."

RISKS

1.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

"Additional description of risks 1, 2, etc."

Describe Alternate # 2A:-->

Brief Title, 20 characters or less: **Convey and Treat**

Life (in years)--> **20** Please provide
 of O&M costs --> **2015** the appropriate
 Supplier (SCL or PSE) --> **SCL** information in the
 Indicate "Plant" or "Off-Site" --> **Off-Site** shaded areas

See instructions below

All projects costs through

Current year (from Results summary sheet)	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039
Total Benefits (from below)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Capital and O&M	\$23,470,396	\$50,900	\$51,409	\$51,923	\$52,442	\$52,966	\$53,496	\$54,031	\$54,571	\$55,117	\$55,668	\$56,225	\$56,787	\$57,355	\$57,928	\$58,508	\$59,093	\$59,684	\$60,281	\$60,883	\$61,492	\$62,107	\$62,728	\$63,356	\$63,989	\$64,629
Debt-related and O&M	\$1,976,709	\$1,508,813	\$1,509,322	\$1,509,836	\$1,510,356	\$1,510,880	\$1,511,410	\$1,511,945	\$1,512,485	\$1,513,031	\$1,513,582	\$1,514,138	\$1,514,701	\$1,515,269	\$1,515,842	\$1,516,421	\$1,517,006	\$1,517,597	\$1,518,194	\$1,518,797	\$61,492	\$62,107	\$62,728	\$63,356	\$63,989	\$64,629
Risk (from below)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Uncertainty (from below)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Capital outlays	\$23,420,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Debt issuance	\$468,400	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Debt service	\$1,457,914	\$1,457,914	\$1,457,914	\$1,457,914	\$1,457,914	\$1,457,914	\$1,457,914	\$1,457,914	\$1,457,914	\$1,457,914	\$1,457,914	\$1,457,914	\$1,457,914	\$1,457,914	\$1,457,914	\$1,457,914	\$1,457,914	\$1,457,914	\$1,457,914	\$1,457,914	\$1,457,914	\$1,457,914	\$1,457,914	\$1,457,914	\$1,457,914	\$1,457,914	\$1,457,914

Total Energy use	\$12,692	\$12,819	\$12,947	\$13,077	\$13,207	\$13,339	\$13,473	\$13,608	\$13,744	\$13,881	\$14,020	\$14,160	\$14,302	\$14,445	\$14,589	\$14,735	\$14,882	\$15,031	\$15,182	\$15,333	\$15,487	\$15,642	\$15,798	\$15,956	\$16,115	\$16,277
Natural Gas	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
therms	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity	\$12,692	\$12,819	\$12,947	\$13,077	\$13,207	\$13,339	\$13,473	\$13,608	\$13,744	\$13,881	\$14,020	\$14,160	\$14,302	\$14,445	\$14,589	\$14,735	\$14,882	\$15,031	\$15,182	\$15,333	\$15,487	\$15,642	\$15,798	\$15,956	\$16,115	\$16,277
Electricity Use kwh	190000	190000	190000	190000	190000	190000	190000	190000	190000	190000	190000	190000	190000	190000	190000	190000	190000	190000	190000	190000	190000	190000	190000	190000	190000	190000
Demand KW or kVa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Total Chemical spending	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Sodium hypochlorite required in gal.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bisulfide required in gal.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other chemical costs - enter \$	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Materials and Supplies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
-------------------------------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

Other Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
--------------------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

Labor	\$37,704	\$38,081	\$38,461	\$38,846	\$39,235	\$39,627	\$40,023	\$40,423	\$40,828	\$41,236	\$41,648	\$42,065	\$42,485	\$42,910	\$43,339	\$43,773	\$44,210	\$44,653	\$45,099	\$45,550	\$46,006	\$46,466	\$46,930	\$47,400	\$47,874	\$48,352
Labor Hours	763	763	763	763	763	763	763	763	763	763	763	763	763	763	763	763	763	763	763	763	763	763	763	763	763	763

Benefits	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

"Additional description of benefits 1, 2, etc."

UNCERTAINTIES	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

"Additional description of uncertainties 1, 2, etc."

RISKS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

"Additional description of risks 1, 2, etc."

Describe Alternate # 2A:-->

Brief Title, 20 characters or less:
 "Alt 2A"
 Life: (in years) -->
 Firm of O&M costs -->
 Element Supplier (SCL or PSE) -->
 Indicate "Plant" or "Off-Site" -->

Current year (from Results summary sheet)	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067
Total Benefits (from below)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Capital and O&M	\$65,275	\$65,928	\$66,587	\$67,253	\$67,926	\$68,605	\$69,291	\$69,984	\$70,684	\$71,391	\$72,105	\$72,826	\$73,554	\$74,289	\$75,032	\$75,783	\$76,540	\$77,306	\$78,079	\$78,860	\$79,648	\$80,445	\$81,249	\$82,062	\$82,882	\$83,711	\$84,548	\$85,394
Debt-related and O&M	\$65,275	\$65,928	\$66,587	\$67,253	\$67,926	\$68,605	\$69,291	\$69,984	\$70,684	\$71,391	\$72,105	\$72,826	\$73,554	\$74,289	\$75,032	\$75,783	\$76,540	\$77,306	\$78,079	\$78,860	\$79,648	\$80,445	\$81,249	\$82,062	\$82,882	\$83,711	\$84,548	\$85,394
Risk (from below)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Uncertainty (from below)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Capital outlays	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067
Debt issuance	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Debt service	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Total Energy use	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067
Natural Gas	\$16,439	\$16,604	\$16,770	\$16,938	\$17,107	\$17,278	\$17,451	\$17,625	\$17,802	\$17,980	\$18,159	\$18,341	\$18,524	\$18,710	\$18,897	\$19,086	\$19,276	\$19,469	\$19,664	\$19,861	\$20,059	\$20,260	\$20,462	\$20,667	\$20,874	\$21,082	\$21,293	\$21,506
therms	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Electricity	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067
Electricity Use kwh	190000	190000	190000	190000	190000	190000	190000	190000	190000	190000	190000	190000	190000	190000	190000	190000	190000	190000	190000	190000	190000	190000	190000	190000	190000	190000	190000	190000
Demand kW or kVa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Total Chemical spending	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Sodium hypochlorite required in gal.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bisulfide required in gal.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other chemical costs - enter \$	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Materials and Supplies	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Other Costs	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Labor Hours	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067
	\$48,836	\$49,324	\$49,817	\$50,316	\$50,819	\$51,327	\$51,840	\$52,359	\$52,882	\$53,411	\$53,945	\$54,485	\$55,029	\$55,580	\$56,136	\$56,697	\$57,264	\$57,837	\$58,415	\$58,999	\$59,589	\$60,185	\$60,787	\$61,395	\$62,009	\$62,629	\$63,255	\$63,888
	763	763	763	763	763	763	763	763	763	763	763	763	763	763	763	763	763	763	763	763	763	763	763	763	763	763	763	763

Benefits	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067
1.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

"Additional description of benefits 1, 2, etc."

UNCERTAINTIES	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067
1.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

"Additional description of uncertainties 1, 2, etc."

RISKS	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067
1.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

"Additional description of risks 1, 2, etc."

Describe Alternate 3A:-->

Brief Title, 20 characters or less:
"Alt 3A"

Lifetime (in years)--> 20
First year of O&M costs --> 2015
Electricity Supplier (SCL or PSE) --> SCL
Indicate "Plant" or "Off-Site" --> Off-Site

End of Pipe Treatment
* * *
* * *
* * *

Please provide the appropriate information in the shaded areas

See instructions below

Current year (from Results summary sheet)	All projects costs through																								
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Benefits (from below)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Capital and O&M	\$32,386,580	\$57,146	\$57,717	\$58,295	\$58,878	\$59,466	\$60,061	\$60,662	\$61,268	\$61,881	\$62,500	\$63,125	\$63,756	\$64,394	\$65,037	\$65,688	\$66,345	\$67,008	\$67,678	\$68,355	\$69,039	\$69,729	\$70,426	\$71,130	\$71,842
Debt-related and O&M	\$2,715,748	\$2,069,714	\$2,070,286	\$2,070,863	\$2,071,446	\$2,072,035	\$2,072,629	\$2,073,230	\$2,073,836	\$2,074,449	\$2,075,068	\$2,075,693	\$2,076,324	\$2,076,962	\$2,077,606	\$2,078,256	\$2,078,913	\$2,079,576	\$2,080,246	\$2,080,923	\$69,039	\$69,729	\$70,426	\$71,130	\$71,842
Risk (from below)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Uncertainty (from below)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Capital outlays	\$32,330,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Debt issuance	\$646,600	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Debt service	\$2,012,568	\$2,012,568	\$2,012,568	\$2,012,568	\$2,012,568	\$2,012,568	\$2,012,568	\$2,012,568	\$2,012,568	\$2,012,568	\$2,012,568	\$2,012,568	\$2,012,568	\$2,012,568	\$2,012,568	\$2,012,568	\$2,012,568	\$2,012,568	\$2,012,568	\$2,012,568	\$0	\$0	\$0	\$0	\$0

Total Energy use	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Natural Gas	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
therms	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Electricity Use kwh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Demand kW or kVa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Total Chemical spending	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Sodium hypochlorite required in gal.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bisulfide required in gal.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other chemical costs - enter \$	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Materials and Supplies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
-------------------------------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

Other Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
--------------------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

Labor	\$56,580	\$57,146	\$57,717	\$58,295	\$58,878	\$59,466	\$60,061	\$60,662	\$61,268	\$61,881	\$62,500	\$63,125	\$63,756	\$64,394	\$65,037	\$65,688	\$66,345	\$67,008	\$67,678	\$68,355	\$69,039	\$69,729	\$70,426	\$71,130	\$71,842
Labor Hours	1145	1145	1145	1145	1145	1145	1145	1145	1145	1145	1145	1145	1145	1145	1145	1145	1145	1145	1145	1145	1145	1145	1145	1145	1145

Benefits	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
1.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
2.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
3.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
4.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
Additional description of benefits 1, 2, etc.																											

UNCERTAINTIES	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
1.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
2.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
3.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
4.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Additional description of uncertainties 1, 2, etc.																											

RISKS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
1.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
2.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
3.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
4.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Additional description of risks 1, 2, etc.																											

Describe Alternate 3A:-->

Brief Title, 20 characters or less:
 "Alt 3A"
 Lifetime (in years)-->
 First year of O&M costs -->
 Electricity Supplier (SCL or PSE) -->
 Indicate "Plant" or "Off-Site" -->

Current year (from Results summary sheet)	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067
Total Benefits (from below)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Capital and O&M	\$72,560	\$73,286	\$74,019	\$74,759	\$75,506	\$76,262	\$77,024	\$77,794	\$78,572	\$79,358	\$80,152	\$80,953	\$81,763	\$82,580	\$83,406	\$84,240	\$85,083	\$85,933	\$86,793	\$87,661	\$88,537	\$89,423	\$90,317	\$91,220	\$92,132	\$93,054	\$93,984	\$94,924	\$95,873
Debt-related and O&M	\$72,560	\$73,286	\$74,019	\$74,759	\$75,506	\$76,262	\$77,024	\$77,794	\$78,572	\$79,358	\$80,152	\$80,953	\$81,763	\$82,580	\$83,406	\$84,240	\$85,083	\$85,933	\$86,793	\$87,661	\$88,537	\$89,423	\$90,317	\$91,220	\$92,132	\$93,054	\$93,984	\$94,924	\$95,873
Risk (from below)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Uncertainty (from below)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Capital outlays	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067
Debt issuance	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Debt service	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Total Energy use	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067
Natural Gas	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
therms	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Electricity Use kwh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Demand kW or kVA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Total Chemical spending	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067
Sodium hypochlorite required in gal.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bisulfide required in gal.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other chemical costs - enter \$	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Materials and Supplies	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Other Costs	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Labor	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067
Labor Hours	\$72,560	\$73,286	\$74,019	\$74,759	\$75,506	\$76,262	\$77,024	\$77,794	\$78,572	\$79,358	\$80,152	\$80,953	\$81,763	\$82,580	\$83,406	\$84,240	\$85,083	\$85,933	\$86,793	\$87,661	\$88,537	\$89,423	\$90,317	\$91,220	\$92,132	\$93,054	\$93,984	\$94,924	\$95,873
	1145	1145	1145	1145	1145	1145	1145	1145	1145	1145	1145	1145	1145	1145	1145	1145	1145	1145	1145	1145	1145	1145	1145	1145	1145	1145	1145	1145	1145

Benefits	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067
1.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Additional description of benefits 1, 2, etc.																													

UNCERTAINTIES	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067
1.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Additional description of uncertainties 1, 2, etc.																													

RISKS	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067
1.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Additional description of risks 1, 2, etc.																													

Describe Alternate 5A:-->
 Brief Title, 20 characters or less:
 "Alt 5A"
 Stormwater Disconnection

Lifetime (in years)--> 20
 First year of O&M costs --> 2015
 Electricity Supplier (SCL or PSE) --> SCL
 Indicate "Plant" or "Off-Site" --> Off-Site

Please provide the appropriate information in the shaded areas
 See instructions below

Current year (from Results summary sheet)	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039
Total Benefits (from below)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Capital and O&M	\$24,578,967	\$29,257	\$29,549	\$29,845	\$30,143	\$30,445	\$30,749	\$31,057	\$31,367	\$31,681	\$31,998	\$32,318	\$32,641	\$32,967	\$33,297	\$33,630	\$33,966	\$34,306	\$34,649	\$34,995	\$35,345	\$35,699	\$36,056	\$36,416	\$36,780	\$37,148
Debt-related and O&M	\$2,048,224	\$1,557,514	\$1,557,806	\$1,558,102	\$1,558,400	\$1,558,702	\$1,559,006	\$1,559,314	\$1,559,624	\$1,559,938	\$1,560,255	\$1,560,575	\$1,560,898	\$1,561,224	\$1,561,554	\$1,561,887	\$1,562,223	\$1,562,563	\$1,562,906	\$1,563,252	\$35,345	\$35,699	\$36,056	\$36,416	\$36,780	\$37,148
Risk (from below)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Uncertainty (from below)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Capital outlays	\$24,550,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Debt issuance	\$491,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Debt service	\$1,528,257	\$1,528,257	\$1,528,257	\$1,528,257	\$1,528,257	\$1,528,257	\$1,528,257	\$1,528,257	\$1,528,257	\$1,528,257	\$1,528,257	\$1,528,257	\$1,528,257	\$1,528,257	\$1,528,257	\$1,528,257	\$1,528,257	\$1,528,257	\$1,528,257	\$1,528,257	\$1,528,257	\$1,528,257	\$1,528,257	\$1,528,257	\$1,528,257	\$1,528,257

Total Energy use	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Natural Gas	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
therms	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Electricity	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Electricity Use kwh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Demand kW or kVa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Total Chemical spending	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Sodium hypochlorite required in gal.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bisulfide required in gal.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other chemical costs - enter \$	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Materials and Supplies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
-------------------------------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

Other Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
--------------------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

Labor	\$28,967	\$29,257	\$29,549	\$29,845	\$30,143	\$30,445	\$30,749	\$31,057	\$31,367	\$31,681	\$31,998	\$32,318	\$32,641	\$32,967	\$33,297	\$33,630	\$33,966	\$34,306	\$34,649	\$34,995	\$35,345	\$35,699	\$36,056	\$36,416	\$36,780	\$37,148
Labor Hours	586.2	586.2	586.2	586.2	586.2	586.2	586.2	586.2	586.2	586.2	586.2	586.2	586.2	586.2	586.2	586.2	586.2	586.2	586.2	586.2	586.2	586.2	586.2	586.2	586.2	586.2

Benefits	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

"Additional description of benefits 1, 2, etc."

UNCERTAINTIES	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

"Additional description of uncertainties 1, 2, etc."

RISKS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

"Additional description of risks 1, 2, etc."

Describe Alternate 5A:-->

Brief Title, 20 characters or less:

"Alt 5A"

Lifetime (in years)-->

First year of O&M costs -->

Electricity Supplier (SCL or PSE) -->

Indicate "Plant" or "Off-Site" -->

Current year (from Results summary sheet)

	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067
Total Benefits (from below)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Capital and O&M	\$37,520	\$37,895	\$38,274	\$38,657	\$39,043	\$39,434	\$39,828	\$40,226	\$40,629	\$41,035	\$41,445	\$41,860	\$42,278	\$42,701	\$43,128	\$43,559	\$43,995	\$44,435	\$44,879	\$45,328	\$45,781	\$46,239	\$46,701	\$47,168	\$47,640	\$48,117	\$48,598	\$49,084
Debt-related and O&M	\$37,520	\$37,895	\$38,274	\$38,657	\$39,043	\$39,434	\$39,828	\$40,226	\$40,629	\$41,035	\$41,445	\$41,860	\$42,278	\$42,701	\$43,128	\$43,559	\$43,995	\$44,435	\$44,879	\$45,328	\$45,781	\$46,239	\$46,701	\$47,168	\$47,640	\$48,117	\$48,598	\$49,084
Risk (from below)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Uncertainty (from below)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Capital outlays	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Debt issuance	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Debt service	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Energy use	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Natural Gas	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
therms	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Electricity Use kwh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Demand kW or kVa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Chemical spending	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Sodium hypochlorite required in gal.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bisulfide required in gal.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other chemical costs - enter \$	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Materials and Supplies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Labor	\$37,520	\$37,895	\$38,274	\$38,657	\$39,043	\$39,434	\$39,828	\$40,226	\$40,629	\$41,035	\$41,445	\$41,860	\$42,278	\$42,701	\$43,128	\$43,559	\$43,995	\$44,435	\$44,879	\$45,328	\$45,781	\$46,239	\$46,701	\$47,168	\$47,640	\$48,117	\$48,598	\$49,084
Labor Hours	586.2	586.2	586.2	586.2	586.2	586.2	586.2	586.2	586.2	586.2	586.2	586.2	586.2	586.2	586.2	586.2	586.2	586.2	586.2	586.2	586.2	586.2	586.2	586.2	586.2	586.2	586.2	586.2

Benefits	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067
1.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
"Additional description of benefits 1, 2, etc."																												

UNCERTAINTIES	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067
1.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
"Additional description of uncertainties 1, 2, etc."																												

RISKS	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067
1.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
"Additional description of risks 1, 2, etc."																												

Alternative	Gravity Sewer/CSO Pipelines ¹	Forcemains/HDD ¹	Diversion Structures ¹	Pump Station ²	CSO Treatment ³	Tunnels ¹	Rectangular Storage Facilities ¹	Offline Storage Pipes ¹
1A	0.01 mh/yr/LF		192 mh/yr/structure				365 mh/yr/MG	
1B	0.01 mh/yr/LF	0.01 mh/yr/LF	192 mh/yr/structure				365 mh/yr/MG	
1C	0.01 mh/yr/LF		192 mh/yr/structure				365 mh/yr/MG	
1D	0.01 mh/yr/LF		192 mh/yr/structure				365 mh/yr/MG	0.1 mh/yr/LF
1E	0.01 mh/yr/LF	0.01 mh/yr/LF	192 mh/yr/structure			0.1 mh/yr/LF		
1F.1	0.01 mh/yr/LF	0.01 mh/yr/LF	192 mh/yr/structure				365 mh/yr/MG	
1F.2	0.01 mh/yr/LF	0.01 mh/yr/LF	192 mh/yr/structure	496 mh/yr/station			365 mh/yr/MG	
1F.3	0.01 mh/yr/LF		192 mh/yr/structure	496 mh/yr/station			365 mh/yr/MG	
2A	0.01 mh/yr/LF	0.01 mh/yr/LF	192 mh/yr/structure	496 mh/yr/station				
3A	0.01 mh/yr/LF		192 mh/yr/structure		952 mh/yr/plant			
5A	0.01 mh/yr/LF		192 mh/yr/structure				365 mh/yr/MG	

1 From Basis of Costs – O&M costs

2 16 hours/month, 16 hours/event, 19 events/year

3 16 hours/month, 40 hours/event, 19 events/year

