

# *LEADER'S GUIDE*

## *2018*

### **FINAL REPORT**

President and Board of Directors



Tuolumne Utilities District  
January 2018



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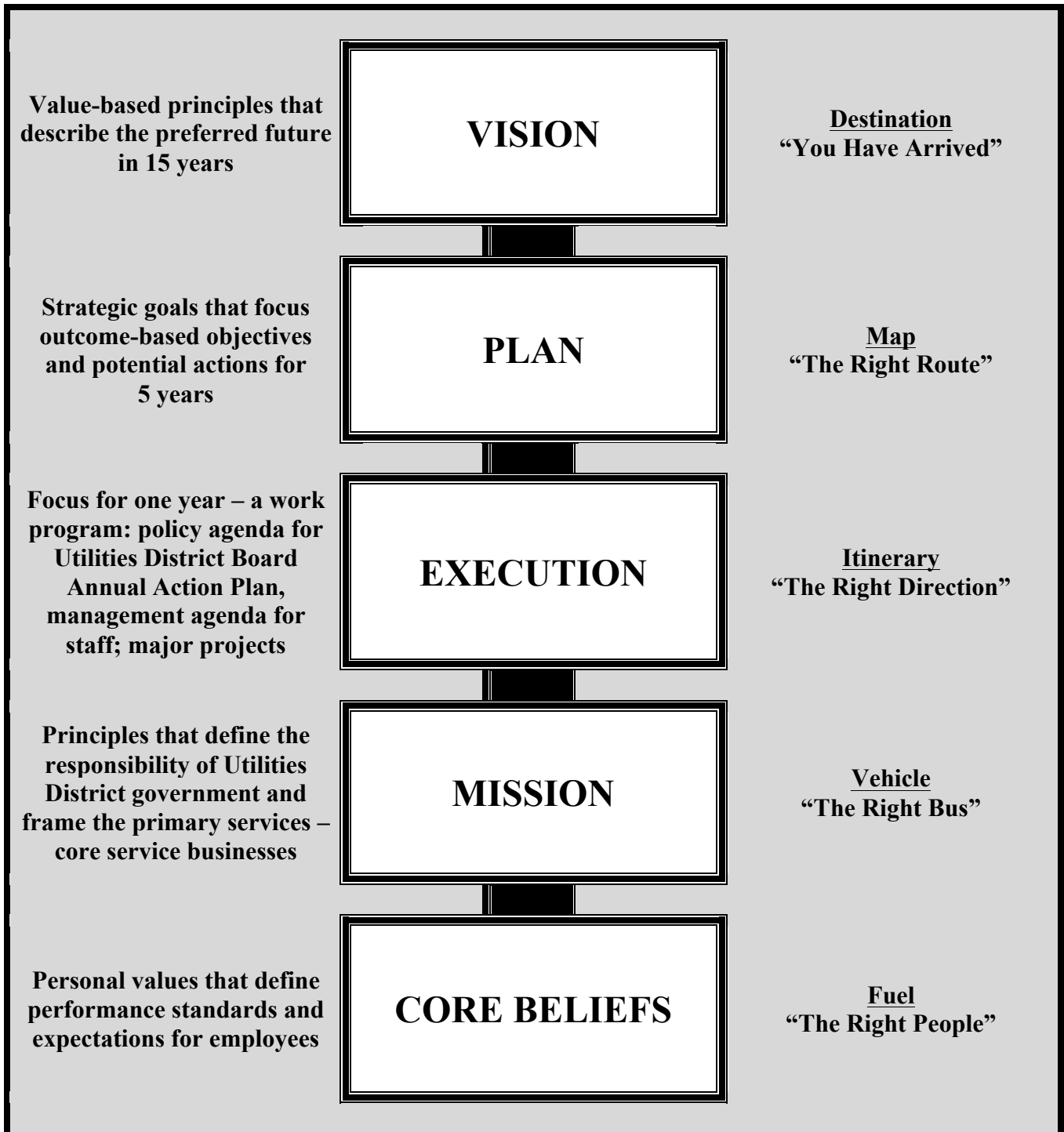
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# **SECTION 1**

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## **STRATEGIC PLANNING FOR TUOLUMNE UTILITIES DISTRICT**

# ***STRATEGIC PLANNING MODEL***



# **SECTION 2**

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## **LOOKING TO TUOLUMNE UTILITIES DISTRICT'S FUTURE**

# Tuolumne Utilities District

## Vision 2033

### **Barbara Balen:**

1. Diverse water rights portfolio
2. Ditch delivery water/wetland/green
3. Integrated water/watershed
4. Watershed stewards, including federal lands

### **Ron Kopf:**

1. Flume resolution: tunnel option
2. Secured additional water
3. Water system consolidate
4. Watershed management: recharge, forest health, storage, water quality
5. Wastewater treatment
6. CIP reduced backlog

### **Ron Ringen:**

1. Water right
2. Consolidated water treatment plants
3. Structure with purple pipe
4. Staff downsize through consolidation and retirements
5. Other sources of income

### **Jim Grinnell:**

1. No liability
2. Balanced
3. Infrastructure
4. TWSOP constructed
5. Water right

**Bob Rucker:**

1. Water delivery system
2. Water right
3. Water
4. Relationship with County
5. Financial stability

**Tom Haglund:**

1. Financially Sustainable
2. Large reserve
3. Affordable rate
4. Infrastructure – good/excellent
5. Regional water treatment plants built
6. Upgrade wastewater treatment – or sufficient land for reclamation system

**Erik Johnson:**

1. Water supply security
2. Reliable infrastructure
3. Affordable rate
4. Consolidated facilities
5. Relation with Ditch System – operation funded

**Abby Parcon:**

1. Regional water treatment
2. Upgrade Wastewater Treatment Plant
3. Leading Agency
4. Secured water conveyance
5. Premier employer

**Don Perkins:**

1. **Managing fewer water plants (6)**
2. **Regional Wastewater Treatment Plant**
3. **Reduced I & I**
4. **Control agriculture – TUD owned**
5. **Auto read meters**
6. **Water**
7. **Secured water supply**
8. **Manage distribution**

**Steve Sheffield:**

1. **Consolidated water system**
2. **Tank replacement**
3. **New interceptor**
4. **Regional wastewater**
5. **Septic hauler**
6. **Ditch owned by County**



# **Tuolumne Utilities District Strengths – Weaknesses Threats - Opportunities**

## **► Strengths**

1. Strong Board working well with each other
2. Strong General Manager
3. Strategic planning process and delivering results
4. Stability of TUD staff - last year
5. TUD engineering capacity

► **Areas for Improvement**

1. Working/Coordination with County government
2. Lack of water rights
3. Expanding the TUD mission: recreation and environmental sustainability
4. TUD asset management
5. TUD political influence and advocacy
6. Environmental sustainability
7. Creative thinking and innovative actions
8. Pension / OPEB Liabilities
9. CEQA

► **Threats to Tuolumne Utilities District's Future**

1. Fire
2. Droughts
3. Vulnerability of water system
4. Water rights
5. Residential growth in difficult/inappropriate locations
6. Lack of understanding: TUD vision, mission, operations, funding and value added to the community
7. State of California mandates and regulations without funding

**► Opportunities for the Future**

1. Grants
2. New Revenue Sources
3. Expanding TUD Vision and Mission
4. Use of Information Technology
5. Recreation Facilities and Programming
6. Environmental Sustainability
7. Future Residential Growth
8. State Water Bonds
9. Water Rights
10. Community Outreach and Communications

# **Tuolumne Utilities District Actions Ideas for 2018 Board of Directors**

1. TWSOP: Next Steps
2. Phoenix Lake Dredging Project: Next Step
3. Phoenix Lake Recreation Development: Direction and Funding
  - a. Wildlife Viewing
  - b. Boardwalk and Trail
  - c. Interpretative Signs
  - d. Historic Preservation
4. Labor Contracts: Negotiations and Approval
5. ERP/New Computer System: Implementation
6. Ditch System Lining: Report with Options and Direction
7. TUD Vision and Mission: Review/Refinement/Update
8. Community Outreach/Proactive Communication Strategy and Action Plan
9. TUD: Appointment to LAFCO
10. County General Plan: Participation and TUD Direction
11. Asset Management Spreadsheet: Development, Board Discussion and Direction
12. TUD Capital Asset Inventory, Life Cycle Analysis, Replacement Schedule, Direction and Funding Mechanism

13. New Alternative Revenue Sources: Report with Options, Direction and Actions
  - a. Recreation Hydro
  - b. Agriculture
  - c. Others
  
14. Grants Program: Expansion, Goal: 2-5 Additional Grants in 2018
  - a. State Water Bond
  - b. Wildlife
  - c. Outdoor Spaces
  - d. Others
  
15. Cultural Legacy - Historic System: Overview, Direction, TUD Actions
  
16. Fire Mitigation Strategy and Action Plan: Status/Update, TUD Actions and Funding
  
17. Ditch System Connections: Update Report, Direction, TUD Actions and Fees
  
18. Pension: Report - Unfunded Liability: Update Report, Direction and Funding
  
19. Future Development Policy [with County]: Locations, TUD Ability to Serve - Water/Wastewater, Direction and TUD Actions
  
20. Stormwater Management: TUD Goals/Role, Partners, Direction and Next Steps
  
21. App for Monitoring/Bill Payment: Report with Options, Direction and Funding
  
22. Leak Analysis: Report with Options and Direction
  
23. Outside County Septic Waste Disposal: Report, Direction and TUD Actions
  
24. Sonora Regional Wastewater Treatment Plant: Next Steps
  
25. Water Rights Acquisition: Direction and Next Steps
  
26. Employee Appreciation/Recognition Program: Direction and Development
  
27. TUD Marketing Program: Direction, Development and Funding
  
28. Pipeline: Direction and Funding

29. Capital Improvement Program: Reality Test, Project Review and Priority and Direction
30. TUD Infrastructure: Assessment Report - Strengths, Weaknesses and Urgent Needs, Direction and TUD Next Steps
31. Septic Approvals: Review and Direction
32. TUD Land Acquisition: Report with Options, Direction, Actions and Funding
33. Financial Plan with Forecast: Development/Update, Board Discussion
34. Succession Plan and Process: Update Report, Development and Implementation
35. Balanced Budget: Board Direction and Development
36. TUD Advocacy and Lobbying: Key Issues, Direction and Actions
37. Electronic Meter Reading Program: Next Steps
38. Long-Range Water Storage: Plan Development, Direction and Next Steps
39. CEQA: Board Discussion and Direction
40. Canal Trail Development: TUD Role, Partners, Direction, Project and Funding
41. TUD Historic Assets: Inventory Report, Preservation Plan, Direction and TUD Actions
42. Goal - Net Zero Energy: Report with Options and Time Frame, Direction, Short Term TUD Action Plan and Funding
43. Rainwater Capture Program: Report with Options, Direction, TUD Role, TUD Actions and Funding Mechanism
44. Bio-solids: Report with Options and Direction
45. Tree Chipper and Sale: Report with Options and Direction
46. Water Conservation: Current Programs/Activities Review, Best Practices, Report with Options, Direction and Actions

47. Hazard Trees Mitigation Program: Status Report, Direction and Next Steps
48. Banking Services: Evaluation Report and Direction
  - a. Bank of America
49. Wells Fargo
50. Cash Accounts - Separation of Water and Wastewater: Direction
51. Rate Structure - Base Rate: Evaluation Report and Direction



**Looking to Tuolumne Utilities District's  
Future  
Departmental View**

# **MAJOR CHALLENGES**

## **Tuolumne Utilities District**

### **January 2018**

#### **DEPARTMENT: Engineering**

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From your department's perspective, what are the major challenges facing the District over the next 5 years?

- Land surveyor retirement
- Staff productivity
- Balancing staff with on-call services
- Finish TWSOP
- Secure funding for RWWTP Improvements
- Secure funding for Cuesta Heights Project
- Short and Long Range Planning for Reclamation System
- Septage Receiving and RWWTP Performance
- Twain Harte Interceptor Policy

**MANAGEMENT IN PROGRESS 2018  
PROJECTS AND ISSUES  
Tuolumne Utilities District  
January 2018**

**DEPARTMENT: Engineering**

---

Please list departmental projects or issues in progress (meaning there is work currently being done on them).

- 1 Reorganize Backflow Program
- 2 Develop the Management Analyst Position to Maximize Pursuit of Grants
- 3 Utilize On-Call Services in a manner that is cost effective and promotes completion of the Capital Program
- 4 Recruit and Hire a GIS Technician
- 5 Phoenix Lake Preservation and Restoration Project
- 6 Cuesta Heights Water System Improvements Project
- 7 Construction Funding Application for RWWTP Upgrades
- 8 Pinecrest Lake Level
- 9 Scanning of Files
- 10 Recruit and Hire a Land Surveyor
- 11 PG&E Phoenix FERC Relicense

**INITIATIVES 2018:  
SHORT-TERM ISSUES AND PROJECTS  
Tuolumne Utilities District  
January 2018**

**DEPARTMENT: Engineering**

---

Please list issues or projects that you would like for the District to address this next year 2018.

- 1 Cuesta Heights Project
- 2 Jamestown Reservoir
- 3 O'Neil Tunnel Design and Rehab
- 4 Lakewood Dam Repair
- 5 Phoenix Lake Preservation and Restoration Plan
- 6 Matelot Pipeline
- 7 Apple Valley/Scenic View Intertie
- 8 Finish Columbia CW Rehab
- 9 Curtis Creek Elementary School Consolidation
- 10 Design Tuolumne City Water Main Project
- 11 Design and Start Construction on Saratoga LS Replacement
- 12 Implement Condition Assessment and Maintenance Plan for TH Interceptor
- 13 Consolidate Columbia Sky LS with Air Attack Sewer LS

# **MAJOR CHALLENGES**

## **Tuolumne Utilities District**

### **January 2018**

#### **DEPARTMENT: Finance**

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From your department's perspective, what are the major challenges facing the District over the next 5 years?

- Employee retirements
- Failing infrastructure
- Board actions
- Implementation of new technology

**MANAGEMENT IN PROGRESS 2018  
PROJECTS AND ISSUES  
Tuolumne Utilities District  
January 2018**

**DEPARTMENT: Finance**

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Please list departmental projects or issues in progress (meaning there is work currently being done on them).

- 1 Implementation of new rates.
- 2 Information system evaluation and upgrade.
- 3 Consideration of new utility billing and financial software.

**INITIATIVES 2018:  
SHORT-TERM ISSUES AND PROJECTS  
Tuolumne Utilities District  
January 2018**

**DEPARTMENT: Finance**

---

Please list issues or projects that you would like for the District to address this next year 2018.

- 1 Update five-year Construction Improvement Plan (CIP).
- 2 Creation and adoption of FY19 & 20 bi-annual budget.
- 3 Finalize selection of utility billing and financial software and begin implementation.

# **MAJOR CHALLENGES**

## **Tuolumne Utilities District**

### **January 2018**

#### **DEPARTMENT: General Manager**

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From your department's perspective, what are the major challenges facing the District over the next 5 years?

- Keeping focus and work efforts on completion of capital improvement program as promised to rate payers.
- Small agency staff; large agency desires and expectations
- Avoiding setting agency up for failure
- Poor condition of water and sewer infrastructure and effect on infrastructure
- Twain Harte interceptor condition assessment



**MANAGEMENT IN PROGRESS 2018  
PROJECTS AND ISSUES  
Tuolumne Utilities District  
January 2018**

**DEPARTMENT: General Manager**

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Please list departmental projects or issues in progress (meaning there is work currently being done on them).

- 1 Phoenix Lake Dredging project
- 2 TWSOP Completion
- 3 Water Rights development
- 4 Electronic records
- 5 Utility billing and financial management system implementation
- 6 Water tank condition assessment
- 7 Completion of wastewater treatment plant study
- 8 Water quality action plan
- 9 Hazard tree removal operations

**INITIATIVES 2018:  
SHORT-TERM ISSUES AND PROJECTS  
Tuolumne Utilities District  
January 2018**

**DEPARTMENT: General Manager**

---

Please list issues or projects that you would like for the District to address this next year 2018.

- 1 Tuolumne County General Plan comments
- 2 Budget development FY19 & FY20
- 3 Develop plan for assessment of Twain Harte interceptor
- 4 Water rights

# **MAJOR CHALLENGES**

## **Tuolumne Utilities District**

### **January 2018**

#### **DEPARTMENT: Human Resources/Risk Management/Safety**

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From your department's perspective, what are the major challenges facing the District over the next 5 years?

- Policy development, updates and implementation
- Implementation of new or changing laws and regulations
- Building institutional knowledge and acumen
- Open, public recruitment of specialized positions such as safety compliance coordinator, wastewater operator, GIS technician and other budgeted positions.
- Labor MOU
- Implementation and management of workers' compensation programs and increased costs.

**MANAGEMENT IN PROGRESS 2018  
PROJECTS AND ISSUES  
Tuolumne Utilities District  
January 2018**

**DEPARTMENT: Human Resources/Risk Management/Safety**

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Please list departmental projects or issues in progress (meaning there is work currently being done on them).

- 1 Continuous management and reassessment of District safety programs
- 2 Labor MOU
- 3 Implementation of various safety and risk management activities to maximize the District's insurance contribution savings as required by SDRMA's Credit Incentive Programs
- 4 Implementation of District performance appraisal program to ensure employee development and accountability
- 5 Evaluation of organizational structure in relation to current and budgeted, specialized positions.

**INITIATIVES 2018:  
SHORT-TERM ISSUES AND PROJECTS  
Tuolumne Utilities District  
January 2018**

**DEPARTMENT: Human Resources/Risk Management/Safety**

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Please list issues or projects that you would like for the District to address this next year 2018.

- 1 Implement 2018 Safety Plan
- 2 Finalize District's written succession plan.
- 3 Initiate plan, conversion and implementation of new enterprise resource planning software to include human resources and payroll modules.
- 4 Labor MOU
- 5 Continuous organization evaluation and recruitment of new positions in line with FY 18 budget

# MAJOR CHALLENGES

## Tuolumne Utilities District

### January 2018

#### DEPARTMENT: **Operations**

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From your department's perspective, what are the major challenges facing the District over the next 5 years?

- Raw water quality is degrading in certain areas of the district.
- Ditch maintenance (CEQA) locating and repairing leaks
- Tree mortality dead and dying trees impacting our infrastructure and budget.
- Water treatment plants that are in poor condition. Lakewood, Sonora, Ponderosa, Scenic View, Phoenix Lake, Crystal Falls, Cedar Ridge.
- 40% of water storage tanks in poor condition
- High percentage of distribution mains are either in poor condition or are too small.
- Maintaining good water quality in our raw water reservoirs Phoenix Lake, Matelot Reservoir, West Side Reservoir.
- Nearly 300 after hour callouts for the Maintenance crews per year, responding to 25 mainline Leaks, 27 mainline breaks, 93 service leaks, 9 service breaks and other types of water and sewer related calls from rate payers and public.
- Overtime and employee exhaustion related to volume of water main breaks and leaks
- Completion and Implementation of Treated Water System Optimization Plan ("TWSOP")
- \$50 million in identified, but unmet capital improvement needs

- Dealing with unexpected infrastructure failures and its impact on budget
- The completion of installing all auto read meters in all systems.
- Future of the Twain Harte sewer plant
- Dealing with unexpected events that impacts District's workflows and budget
- Poor effluent water quality from the regional sewer plant
- Significant impacts from Inflow and Infiltration (I&I) to our sewer collection system
- Future maintenance and preservation of the Twain Harte interceptor
- Insufficient amount of Ag land in Districts control (600-1200 acres)
- Insufficient sewer rates to cover O&M cost
- Septage facility and the impacts to the Regional sewer plant from the volume and concentration of the septic.
- Peaceful Pines system (only one source of water- a well that is showing signs of drying up)

**MANAGEMENT IN PROGRESS 2018  
PROJECTS AND ISSUES  
Tuolumne Utilities District  
January 2018**

**DEPARTMENT: Operations**

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Please list departmental projects or issues in progress (meaning there is work currently being done on them).

- 1 Tank Master plan
- 2 TWSOP
- 3 Volponi tank
- 4 Cuesta Heights tank consolidation project
- 5 Columbia Country Estates sewer pump station project
- 6 Apple Valley to Scenic View intertie project
- 7 TUD centralized facility repairs and improvements
- 8 Columbia Clearwell #1 rehabilitation project
- 9 Jamestown Reservoir improvements
- 10 Jamestown transmission main replacement.
- 11 Sonora Vista tank power and telemetry
- 12 Algerine Ditch Slum Dam
- 13 Tree Mortality
- 14 Regional Wastewater Treatment Facility Evaluation done by Stantec
- 15 Matelot pipe line from Matelot reservoir to the Columbia water treatment plant
- 16 Upper Columbia Ditch Shoot Flume



- 17 O'Neil Tunnel improvements
- 18 Section 4 Ditch @ Ryan Ct. improvements
- 19 District's Meter Study (300)
- 20 Ditch meters installation
- 21 Peaceful Pines system (only one source of water- a well that is showing signs of drying up)
- 22 Saratoga lift station improvements
- 23 Microbial Source Tracking to identify the exact source of the bacteria that is plaguing our raw water and creating challenges to treat.
- 24 Regional Wastewater improvements

**INITIATIVES 2018:  
SHORT-TERM ISSUES AND PROJECTS  
Tuolumne Utilities District  
January 2018**

**DEPARTMENT: Operations**

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Please list issues or projects that you would like for the District to address this next year 2018.

- 1     Rehabilitate, replace or consolidate 5-7 water tanks that are in poor condition
- 2     Make distribution system improvements in the Volponi Acres area.
- 3     Rehabilitate the existing well and construct a new well for the Peaceful Pines system.
- 4     Finish installing auto read meters above the snow line
- 5     Line about 10,500 feet of sewer main to combat I&I issues (\$500,000)
- 6     Clean and inspect the digesters at the regional sewer plant
- 7     Clean pond #3 at the regional sewer plant
- 8     Complete the TWSOP
- 9     Rebuild the rock bins at regional sewer plant
- 10    Make plant improvements at the regional sewer plant
- 11    Complete the Columbia Country Estates lift station project
- 12    Complete the Apple Valley to Scenic View intertie project
- 13    Complete the Columbia clearwell rehabilitation project
- 14    Complete the Jamestown transmission main replacement
- 15    Complete the Jamestown Reservoir improvements
- 16    Complete the Sonora Vista tank power and telemetry project

- 17 Complete the Matelot pipe line from Reservoir to the Columbia water treatment plant
- 18 Complete the District's Meter Study of 300 of the District's old meters
- 19 Complete the ditch meters installation
- 20 Complete the Saratoga lift station improvements
- 21 Make distribution system improvements in the Peaceful area.
- 22 Make distribution system improvements in the Willow Springs area.
- 23 Make distribution system improvements in the Cedar Rock area.
- 24 Techite line replacement Crystal Falls.

# **SECTION 3**

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## **TUOLUMNE UTILITIES DISTRICT VISION 2033**

**Tuolumne Utilities District:  
Vision 2033**

**Tuolumne Utilities District 2033**

**has**

**SUSTAINABLE WATER RESOURCES**

**provides**

**SAFE, SECURE AND HIGH QUALITY WATER**

**provides**

**EFFECTIVE COLLECTION, TREATMENT AND  
DISPOSAL OF WASTEWATER**

**and**

**BEST USE OF TUD PROPERTIES FOR  
TUD/COMMUNITY ENRICHMENT**

# Vision 2033

## Guiding Principles

### PRINCIPLE

### SUSTAINABLE WATER RESOURCES

#### ► Means

1. Using the natural environmental to clean water, where appropriate
2. Integrating the ditches into watershed management and stewardship
3. Reducing use of treated water for landscaping and outdoor uses
4. Partnering with other entities for sustainable water resources
5. Supporting a thriving local economy
6. Having clean source water for a healthy and safe community

### PRINCIPLE

### SAFE, SECURE AND HIGH QUALITY WATER

#### ► Means

1. Having adequate portfolio of water rights and water supply sources
2. Having a high operational reliability – delivery of daily water while managing risks
3. Having consolidated water treatment facilities
4. Having state of the art water storage capacity – reservoirs and tanks
5. Having well designed, well built, well maintained on an ongoing basis and upgraded water treatment plants and distribution system
6. Controlling minimum water loss from ditches to an acceptable level
7. Minimizing contaminates entry into watershed; including open conveyance to assure clean source water
8. Having an informed and engaged community on water issues
9. Being actively involved in watershed management

**PRINCIPLE**

**EFFECTIVE COLLECTION, TREATMENT AND DISPOSAL OF WASTEWATER**

**► Means**

1. Finding beneficial and innovative uses for treated water in the County
2. Having well maintained private sewer laterals by property owners
3. Having well designed, well built, well maintained on an ongoing basis, state of the art wastewater collection system and treatment facilities
4. Having effective disposal and use of treated, recycled water through TUD land ownership contract or other uses
5. Having a high reliability rate – wastewater collection services and managing risks
6. Having public and businesses informed and educated on use of and appropriate contribution to the wastewater system, in coordination with Tuolumne County
7. Improving wastewater flows through elimination of bulk and unwanted items
8. Managing Quartz Reservoir to empty each year
9. Effectively managing septic waste

**PRINCIPLE**

**BEST USE OF TUD PROPERTIES FOR TUD/COMMUNITY ENRICHMENT**

**► Means**

1. Managing, leasing and sale of surplus TUD properties
2. Acquiring, managing, leasing and selling properties and facilities for TUD benefit
3. Having full cost recovery for TUD joint efforts
4. Encouraging and partnering to have leisure/recreational amenities developed, maintained and operated by other entities consistent with TUD policies and operations
5. Exploring and developing hydro and solar energy for TUD benefit
6. Exploring and developing wetlands mitigation banking/credits
7. Working with partners to support effective fire protection and prevention
8. Working with partners to support effective stormwater management

# **SECTION 4**

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## **TUOLUMNE UTILITIES DISTRICT OUR MISSION**



## **Tuolumne Utilities District: Our Mission**

**The mission of TUD is to provide the  
BEST WATER AND WASTEWATER SERVICES  
FOR OUR CUSTOMERS  
with  
GREAT CUSTOMER SERVICE in a  
SOCIALY, FINANCIALLY and  
ENVIRONMENTALLY RESPONSIBLE MANNER**

# Guiding Principles

<b>PRINCIPLE</b>	<b>BEST WATER AND WASTEWATER SERVICES FOR OUR CUSTOMERS</b>
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► **Means**

1. Providing reliable, safe and quality drinking water
2. Providing reliable wastewater collection, treatment and disposal
3. Having well-designed, well-maintained utility infrastructure
4. Evaluating and re-evaluating utility infrastructure condition
5. Securing current and future water supply and water rights
6. Planning for life cycle, maintenance, replacement of utility infrastructure
7. Developing, updating and funding the TUD capital improvement plan
8. Developing cost-effective meter reading tailored to TUD unique topography

**PRINCIPLE**

**GREAT CUSTOMER SERVICE**

**► Means**

1. Knowing, understanding the needs and desires of TUD customers
2. Looking for ways to say "yes" and to solve problems
3. If you must say "no", taking time to explain your actions and decisions
4. Using innovative methods of educating, marketing, informing and engaging our stakeholders and customers
5. Providing a timely, appropriate response for a call for service – emergency and non-emergency
6. Seeking feedback from our TUD customers and using the information to improve services, service delivery and administrative processes
7. Having TUD customers leaving with a positive feeling about TUD based upon their personal experiences

**PRINCIPLE**

**SOCIALLY RESPONSIBLE MANNER**

**► Means**

1. Responding to failing third part utility systems in TUD service areas
2. Tribal governments and other agencies working with Tuolumne County, local, regional and state agencies on water and wastewater issues and future land uses
3. Responding to the community needs for portable water, wastewater and other services
4. Being socially responsible to our current customers
5. Cultivating and nurturing positive, coordinated intergovernmental relations
6. Managing TUD assets to protect the water resources
7. Being an advocate to protect the water resources and to modify governmental regulations impacting water resources

<b>PRINCIPLE</b>	<b>FINANCIALLY RESPONSIBLE MANNER</b>
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► **Means**

1. Developing, updating TUD financial policies
2. Delivering TUD services in the most efficient, cost effective manner
3. Having fiscally responsible and affordable utility rates
4. Maintaining, funding reserves consistent with defined TUD policies and national standards
5. Developing a fiscally responsible biannual budget, including funding for reserves
6. Developing, updating long-range financial plans with 5-year projections
7. Developing and funding for the implementation of the TUD Capital Improvement Plan
8. Developing, updating an integrated information technology
9. Developing, maintaining records management system
10. Leveraging TUD resources through grants, loans, debt, partnerships and other opportunities

<b>PRINCIPLE</b>	<b>ENVIRONMENTALLY RESPONSIBLE MANNER</b>
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► **Means**

1. Evaluating impact of TUD decisions and actions on the environment
2. Working with partners – State of California, Forest Service, Tuolumne County Tribal governments and other governmental/nongovernmental agencies
3. Complying with State of California and Federal government regulations and mandates
4. Involving others to address environmental issues
5. Being an advocate on environmental quality and TUD operations
6. Integrating co-equal goals – water for people and water for the environment
7. Working and participating with other organizations that have impacts on the environment
8. Working with partners on fire and emergency prevention, preparation, response and recovery
9. Participating in advocacy for effective watershed management

# **SECTION 5**

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## **TUOLUMNE UTILITIES DISTRICT PLAN 2018 – 2023**

**Tuolumne Utilities District  
Goals 2023**

**TOP QUALITY UTILITY SERVICES/  
SUSTAINABLE WATER  
RESOURCE MANAGEMENT**



**HIGH PERFORMING ORGANIZATION**



**SOCIALLY, ENVIRONMENTALLY AND  
FINANCIALLY RESPONSIBLE**



**TOP QUALITY INFRASTRUCTURE**

# Tuolumne Utilities District Goals 2023 Worksheet

1. TOP QUALITY UTILITY SERVICES/SUSTAINABLE WATER RESOURCE MANAGEMENT
2. HIGH PERFORMING ORGANIZATION
3. SOCIALLY, ENVIRONMENTALLY AND FINANCIALLY RESPONSIBLE
4. TOP QUALITY INFRASTRUCTURE

IMPORTANCE	
Personal	Team
11	1
12	2
13	3
14	4

**\* The President and Board of Directors ranked the four goals from “most important” = 1 to “lesser importance” = 4. The number in this column represents the total score for each goal.**



<b>GOAL 1</b>	<b>TOP QUALITY UTILITY SERVICES/ SUSTAINABLE WATER RESOURCE MANAGEMENT</b>
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**► Objectives**

1. Advocate/facilitate smart growth/sustainable development in the Tuolumne County General Plan/City of Sonora General Plan
2. Have adequate water supply for today and future
3. Link TUD infrastructure planning and growth with developments in Tuolumne County and communities
4. Provide exceptional quality water
5. Have well informed customers with accurate information about TUD services, programs and finances
6. Have compliance with federal and state water and wastewater requirements and mandates
7. Secure a portfolio of water rights
8. Advocate on regulations and policies impacting TUD vision, mission and goals

**► Means to Residents**

1. Reliable delivery of utility services
2. “Worry free” delivery of exceptional quality water
3. Easy access to TUD information and services
4. TUD planning and prepared for growth
5. TUD in compliance with Federal and State of California governments regulations and mandates

**► Challenges and Opportunities**

	<b>PRIORITY</b>
1. Having adequate water storage	5
2. Funding and financing TUD operational and infrastructure improvements	5
3. Working with Tuolumne County and City of Sonora	4
4. Dead and dying trees impacting TUD infrastructure and budget	3
5. Providing leadership on water issues – local region and state	3
6. Resolving the Pinecrest Lake level mitigated negative declaration	3
7. Reducing vulnerabilities of wildfires on flumes and canals	3
8. Lack of water rights	3
9. Defining TUD as a Watershed Steward	2
10. Collecting and interpreting flow data from ditch system to improve estimates of leakage	2
11. Reducing water use and changing customer use patterns	2
12. Water color, odor and taste	2
13. Integrating co-equal goals: people and environment	1
14. State of California mandates and regulations	1
15. Reliable redundant delivery systems	1
16. Pressure from failing water system	1
17. Gravity fed system	1
18. TUD staffing and organization capacity	0
19. Applying national and state standards to TUD operations	0
20. Backflow prevention systems	0

<b>► Actions 2018</b>			<b>PRIORITY</b>
1. TWSOP Plan Development	Policy	5	
• Plan for Consolidation	Top		
• Plan for Water-Land Acquisition	BD		
2. Long Term Water and Water Storage – Water Rights	Policy	4	
• Report on Long Water Supply Opportunities	Top		
• Innovative Options: Social and Environmental			
• Advocacy of State Water Board			
3. Tuolumne General Plan – Water Element	Policy	4	
• Advocate for Watershed included into Water Element	BD		
• Letter to Tuolumne County: TUD Element			
• Presentation: Draft Plan			
4. Development/Land Use: Policy Framework and Staffing	BD	4	
5. Stormwater Management Policy Goals, Role, Direction and Actions	BD	4	
6. TUD Strategy and Actions with Tuolumne County	BD	4	
• Water Conservation/Rainwater Capture Program: Policy and Direction			
• Rebate Program County List			
7. Tuolumne County Water Policy Advisory Committee Strategy and Actions	Policy	Mgmt	
• Meeting with Tuolumne County	High		
8. Water Professional Organization Advocacy: TUD Staff	Policy	Mgmt	
	High		
9. Ditch System CEQA Compliance: Implementation	Mgmt	Mgmt	
• Develop Policy	High		
• Decision: Policy Direction			
10. TUD: Appointment to LAFCO	BD	Mgmt	
11. Outside County Septic Waste Disposal	BD	Mgmt	
• Report			
• Decision: Direction			
12. Bio Solids: Report and Direction	BD	Mgmt	
13. Water Source Protection Policy and Program	Policy	2	
• Existing Policies and Regulations: Tuolumne County			
• Recommendations to Tuolumne County for EIR			
14. TUD Land Acquisition for Wastewater: Report with Options Direction, Actions and Funding	BD	2	
15. Water Resource System Management: Advocacy	Mgmt	1	
16. Cultural Legacy – Historic System	BD	1	
• Ditch System on National Registration			

<b>► Actions 2018</b>			<b>PRIORITY</b>
17. Septic Approval: Direction	BD		1
18. Managed Recreation Component Development Strategy, TUD Actions and Research	BD		1
<ul style="list-style-type: none"> <li>• Meeting with Tuolumne County “Current Project” and Easement</li> <li>• Identify Potential Projects/Components and Partners</li> <li>• Identify Funding Options (including Grants)</li> </ul>			
19. Water Conservation: Program Expansion Best Practices, Direction and Actions	BD		1

- Management in Progress 2018**
1. Strategic Plan 2018-2023-2033: Update
  2. Bay Delta Plan SED Response: Monitoring and Comment
  3. Ditch MID Customer Metering: Installation
  4. Water ESFR Capacity Chart: Update
  5. Ditch Water Balance: Data Gathering/Analysis
  6. Toilet Rebate Program (RCD)
  7. Hazard Trees Mitigation Program: Report

- On the Horizon 2019 – 2023**
1. Remote Read Meters Plan
  2. Bottled Water
  3. Community Water Forums
  4. TUD Land Inventory and Acquisition
  5. Regional Trail System Development
  6. Domestic Use of Rainwater
  7. Pinecrest Agreement (1983)
  8. Infill Development and Capacity Fee Adjustments
  9. Forest Management (with Tuolumne County/U.S. Forest Service)
  10. Ditch Sustainability Study
  11. Electronic Meters Report
  12. New Sewer Plant with Jamestown Sanitation
  13. Emergency Plans: Review
  14. Agri Raw Water: Additional Customers

► **On the Horizon 2019 – 2023**

15. Community Services District Report
16. TUD: Expanded Responsibilities
17. Integrated Resource Plan: Development
18. Heritage Management Plan: Revision
19. “Keep Our Water Here” Strategy
20. Green Infrastructure (Ditch System): Definition
21. Own Land Reclamation System
22. Water Tank Master Plan

**GOAL 2**

**HIGH PERFORMING ORGANIZATION**

**► Objectives**

1. Have a TUD organization that values and practices performance results and accountability; and employee morale and safety
2. Have a TUD workforce dedicated to serving the community
3. Have a state of the art information technology system
4. Have effective methods for informing and engaging stakeholders and customers
5. Respect for the Board, General Manager and staff roles and responsibilities
6. Provide dedicated customer service
7. Earn and be respected by Tuolumne County, Coty of Sonora, and other entities

**► Means to Residents**

1. Customer oriented customer service
2. Easy access to TUD services and information
3. Opportunities to participate in TUD governance, planning and policy development
4. TUD taking responsibility and being accountable
5. TUD employees dedicated to serving the community

<b>► Challenges and Opportunities</b>		<b>PRIORITY</b>
1. Implementing new enterprise software, work order system and electronic mapping		5
2. Hiring and retaining top performing TUD staff		4
3. Maintaining/enhancing TUD transparency and openness		4
4. Maturing workforce and succession planning/building and transfer institutional knowledge		4
5. Maintaining positive safety record		3
6. Defining performance expectation standards		3
7. Communicating accurate, timely information to customers and community		3
8. Providing relevant professional development opportunities		2
9. Managing workload and organization capacity with disproportionate staffing		2
10. Enhanced Board – organization teamwork and respect for different roles		2
11. OPEB and pension liabilities		2
12. Engaging the customers and stakeholders		2
13. Impacts of federal and state regulations		2
14. Maintaining and meeting performance standards and results accountability		1
15. Overtime and employee exhaustion related to water and sewer service interruptions		0
16. Enhancing customer service		0

<b>► Actions 2018</b>		<b>PRIORITY</b>
1. TUD Advocacy and Lobbying: Issues, Strategy and Actions	BD	Policy
2. TUD “Corporate” Communications Marketing and Outreach: Strategy and Action Plan, Funding	Policy BD	Policy
3. Enterprise Resources Planning (ERP)	Policy BD	Mgmt
4. Information Technology Master Plan	Policy	Mgmt
5. Personnel Policies: Update	Mgmt	Mgmt

► **Management in Progress 2018**

1. Electronic Mapping and Records Management
2. Field Book Improvements
3. Safety Compliance Coordinator
4. GIS Technician
5. 2018 Safety Plan

► **On the Horizon 2019 – 2023**

1. TUD App: Development
2. Compensation Study and Market Analysis
3. Performance Excellence Program for Employees and Customers
4. Experience Modification Rating: 90% or Less
5. App for Monitoring/Bill Payment: Report, Direction and Funding
6. Electronic Meter Reading: Next Steps



**GOAL 3**

**SOCIALLY, ENVIRONMENTALLY AND FINANCIALLY RESPONSIBLE**

**► Objectives**

1. Provide funding for the implementation of the TUD capital improvement program and priority projects
2. Leverage TUD resources through grants and partnerships for environmental benefit and social enrichment
3. Have a balanced TUD operating budgeting, including reserve funding, pensions
4. Develop an effective automated meter reading system tailored to TUD needs and customers
5. Have effective financial planning and reporting systems
6. Maintain TUD financial reserves consistent with policies and national standards
7. Balance triple bottom line: social, financial and environmental

**► Means to Residents**

1. Service value for utility fees
2. TUD acting as a responsible financial steward
3. TUD looking for ways to reduce costs of service delivery
4. TUD investing in the future – maintenance, replacement and growth
5. Leveraging TUD resources through grant opportunities and other outside funding sources
6. Preparation of balanced, responsible budgets

<b>► Challenges and Opportunities</b>		<b>PRIORITY</b>
1.	Leveraging TUD resources – grants and partnerships	4
2.	Strengthening relations with Federal legislators	4
3.	Unfunded State of California mandates	4
4.	Fewer grants with increased competition and increased complexity	4
5.	Financial sustainability with rising costs for service and capital infrastructure needs	3
6.	Ability to hire and retain TUD staff	3
7.	Funding TUD reserves and unfunded liabilities	2
8.	Developing private sector partners	2
9.	Funding for TUD services	2
10.	Developing out of region partners	1
11.	State ordered consolidations for receiverships	1
12.	Topography and automated meter reading	0

<b>► Actions 2018</b>		<b>PRIORITY</b>
1.	Grants: Expansion	Policy BD 5
2.	Capacity and Connection Fee: Review and Evaluation	4
3.	Alternative Revenues Study <ul style="list-style-type: none"> <li>• Recreation</li> <li>• Hydro</li> <li>• Agriculture</li> </ul>	Policy BD 3
4.	Labor MOU: Negotiations and Approval	Mgmt BD Mgmt Completed
5.	Fund Reserves	Mgmt Mgmt
6.	TUD Capital Asset Inventory, Life Cycle Analysis, Replacement Schedule, Funding Mechanism	BD 1
7.	Financial Plan with 10 year Forecasts: Development	BD 1

► **Management in Progress 2018**

1. Annual CAL PERS Report
2. Fund Reserve Plan: Implementation
3. CIP Update
4. Reclaimed Water Contract: Review

► **On the Horizon 2019 – 2023**

1. Purchasing Policy
2. Sale of Recycled Water
3. Solar Energy Feasibility Study
4. Investment/Treasury Service Policy
5. Small Scale Hydro Opportunities
6. Water Rate Assistance for Low Income
7. Rate Structure – Base Rate: Evaluation Rate and Direction

**GOAL 4**

**TOP QUALITY INFRASTRUCTURE**

**► Objectives**

1. Upgrade wastewater treatment facilities
2. Expand water storage capacity: reservoirs and tanks
3. Complete capital projects on time and within budget
4. Upgrade water treatment facilities and distribution system
5. Consolidate/reduce the number of water treatment facilities

**► Means to Residents**

1. Reliable delivery of TUD services
2. Well maintained TUD utilities infrastructure for water development and wastewater collection
3. TUD planning and building for smart growth
4. Quality water for the future
5. TUD reducing the cost of water treatment and wastewater treatment/disposal
6. TUD projects completed on time – delivery on commitments

► <b>Challenges and Opportunities</b>	<b>PRIORITY</b>
1. Consolidating and receiving water treatment plants and related piping	5
2. Funding for major water storage and delivery projects	5
3. Determine Pinecrest Lake level – SWRCB	4
4. Unexpected infrastructure deteriorating and failures and its impact on current budget	4
5. Increasing construction costs	4
6. Catching up on infrastructure deferred maintenance	3
7. Funding for operations and maintenance of new TUD infrastructure	3
8. Time for constructing/building equipment and impact on budget	3
9. Unknown condition of TUD facilities and infrastructure	2
10. Upgrading and improving infrastructure while maintaining the integrity of the historic assets	2
11. Aging TUD infrastructure needing routine and/or major maintenance	1
12. Federal and State of California mandates and regulatory requirements	1
13. Age of drinking water system and the formation of disinfection byproducts	1
14. Obtaining and maintaining required equipment to maintain water and wastewater infrastructure	1
15. Responding to service disruption – “crises”	0
16. Obtaining redundant system by design	0

<b>► Actions 2018</b>			<b>PRIORITY</b>
1. Ditch System Maintenance: Report with Options (including Lining Policy) and Direction	BD		5
2. Phoenix Lake Recreation	BD		4
• Wildlife Viewing			
• Boardwalk and Trail			
• Interpretative Signs			
• Historic Preservation			
• Partnership			
• Funding			
3. Ditch System Connections: Update Report and Direction	BD		4
• Incentives			
4. Pipeline: Direction and Funding (Part 1 Design, Permitting and Environment)	BD		4
• Partners			
5. Phoenix Lake Dredging Project: Implementation	Policy Top		Mgmt
6. Sonora Regional Wastewater Treatment Plant Study	Policy High		Mgmt
7. Hazard Tree Mitigation Plan: Implement	Mgmt High		Mgmt
8. Eureka Ditch Pipe Segment			Mgmt
9. Fire Protection: Draft Report (Tuolumne County)	Policy High		2

<b>► Management in Progress 2018</b>
1. CIP: Monthly Report
2. Annual Dive Clean and Inspections (15 Tanks)
3. Patch Paving Contract
4. Short Term Maintenance Projects
5. Fire Protection for Water Flume System
6. Sewer Collection System CCTV and Repairs
7. Water Tank Master Plan

► **Major Projects 2018**

1. Jamestown Reservoir Replacement Project
2. Curtis Creek Elementary School Intertie: Funding
3. Ditch Meter Installation
4. Annual Sewer Pipeline Lining (CIPP)
5. Matelot Pipeline: Right-of-Way Acquisition
6. Upper Columbia Spill #1
7. Upper Columbia Shoot Pipeline
8. Annual Ditch Maintenance Projects
9. Pedro Y Utility Relocation
10. Columbia County Estates Sewer Lift Station

► **On the Horizon 2019 – 2023**

1. Cuesta Heights Storage Tank: Construction
2. TUD System Security
3. Columbia Water Treatment Plant Phase 2: Funding
4. Sonora Water Systems Improvements
  - Bradford
  - Green
  - Stewart

# **SECTION 6**

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## **ACTION AGENDA 2018**



## Definitions of Terms

### **POLICY –**

is an issue that needs direction or a policy decision by the Board of Directors; or needs a major funding decision by the Board of Directors; or an issue that needs Board of Directors leadership by the governing body in the community; or with other governmental bodies (district government, other district governments, state government, federal government) – questions of “WHAT: IS THE DIRECTION; IS THE GOAL; IS THE BUDGET OR RESOURCES; IS THE DISTRICT'S POLICY OF REGULATION?”

### **MANAGEMENT –**

a management action which the Board of Directors has set the overall direction and provided initial funding (e.g. phased project), may require further Board of Directors action on funding; or a major management project particularly multiple years (e.g. upgrade to the information system)-questions of “HOW: DO WE ADDRESS THE ISSUE, MANAGE THE DISTRICT; IMPLEMENT A DECISION OR PROGRAM; CAN WE IMPROVE THE MANAGEMENT OR ORGANIZATIONAL PROCESS?”

### **MANAGEMENT IN PROGRESS –**

a management or organization action which Board of Directors has set the direction, needs staff work before going to Board of Directors for direction next year or beyond, no choice mandated by an outside governmental agency or institution, management process improvement budgeted or funded by the Board of Directors.

### **MAJOR PROJECT –**

a capital project funded in the CIP or by Board of Directors action which needs design or to be constructed (e.g. Road project, district facility project, park project, etc.).

### **ON THE HORIZON –**

an issue or project that will not be addressed during the year by management or the Board of Directors but should be addressed in the next five years; it could become an action item for this year if another party moves the issue or project forward-it depends on them.

# **Tuolumne Utilities District Policy Agenda 2018 Targets for Action**

## **TOP PRIORITY**

**Treated Water System Optimization Plan**

**Tuolumne General Plan – Water Element**

**Development/Land Use Strategy: Policy Direction and Staffing**

**Secure Conveyance Pipeline: Funding Mechanism**

## **HIGH PRIORITY**

**TUD Strategy and Actions with Tuolumne County**

**TUD Advocacy and Lobbying**

**Long Term Water and Water Storage – Water Rights Strategy**

**Capacity and Connection Fees: Review/Evaluation**

**Grants: Expansion**

# Tuolumne Utilities District Policy Agenda 2018

► **Targets for Action**

1. Treated Water System Optimization Plan
2. Tuolumne General Plan – Water Element
3. Development/Land Use Strategy: Policy Direction and Staffing
4. Ditch System Maintenance (Combined with Mgmt Ditch System CEQA Compliance: Implementation)
5. Secure Conveyance Pipeline: Funding Mechanism
6. TUD Strategy and Actions with Tuolumne County
7. TUD Advocacy and Lobbying
8. Long Term Water and Water Storage – Water Rights Strategy
9. Capacity and Connection Fees: Review/Evaluation
10. Grants: Expansion
11. Ditch System Connections (Combined with Mgmt Ditch System CEQA Compliance: Implementation)
12. Stormwater Management Policy and Actions
13. Alternative Revenues Study
14. Phoenix Lake Recreation
15. Proactive Communications Strategy

PRIORITY	PRIORITY	
	TOP	HIGH
Top	5	-
Top	5	-
Top	3	-
Top	3	-
Top	3	-
High	2	4
High	2	4
High	1	4
High	1	4
High	2	3
High	2	3
	0	2
	1	1
	0	0
	0	0

# **Tuolumne Utilities District Management Agenda 2018 Targets for Action**

## **TOP PRIORITY**

**Sonora Regional Wastewater Treatment Plant Study**  
**Ditch System CEQA Compliance: Implementation**  
**Outside County Septic Waste Disposal: Direction**  
**Enterprise Resources Planning Software**  
**TUD: Appointment to Local Agency Formation Commission**  
**Phoenix Lake Rehabilitation/Restoration Project**

## **HIGH PRIORITY**

**Information Technology Master Plan: Development**  
**Law and Justice Sewer Lift Station: Implementation**  
**Tuolumne County Water Policy Advisory  
Committee Strategy and Actions**  
**Hazard Tree Mitigation Plan: Implement**  
**Wastewater Treatment Plant Bio Solids Report**  
**Techite Pipeline Replacement**  
**Water Professional Organization Advocacy: TUD Staff**

# Tuolumne Utilities District Management Agenda 2018

► **Targets for Action**

1. Sonora Regional Wastewater Treatment Plant Study
2. Ditch System CEQA Compliance: Implementation
3. Outside County Septic Waste Disposal: Direction
4. Enterprise Resources Planning Software (ERP)
5. TUD: Appointment to Local Agency Formation Commission
6. Phoenix Lake Rehabilitation/Restoration Project
7. Information Technology Master Plan: Development
8. Law and Justice Sewer Lift Station: Implementation
9. Tuolumne County Water Policy Advisory Committee Strategy and Actions
10. Hazard Tree Mitigation Plan: Implement
11. Wastewater Treatment Plant Bio Solids Report
12. Techite Pipeline Replacement
13. Water Professional Organization Advocacy: TUD Staff
14. Fund Reserves
15. Water Tank Master Plan
16. Eureka Ditch Pipe Segment

	PRIORITY	
PRIORITY	TOP	HIGH
Top	5	-
Top	4	-
Top	4	-
Top	4	-
Top	3	-
Top	3	-
High	2	5
High	0	5
High	0	5
High	2	4
High	1	4
High	0	3
High	0	3
	1	2
	1	1
	0	0

# Tuolumne Utilities District Management in Progress 2018

## ► Management in Progress 2018

1. Strategic Plan 2018-2023-2033: Update
2. Bay Delta Plan SED Response: Monitoring and Comment
3. Ditch MID Customer Metering: Installation
4. Water ESFR Capacity Chart: Update
5. Ditch Water Balance: Data Gathering/Analysis
6. Toilet Rebate Program (RCD)
7. Hazard Trees Mitigation Program: Report
8. Electronic Mapping and Records Management
9. Field Book Improvements
10. Safety Compliance Coordinator
11. GIS Technician
12. 2018 Safety Plan
13. Annual CAL PERS Report
14. Fund Reserve Plan: Implementation
15. CIP Update
16. Reclaimed Water Contract: Review
17. CIP: Monthly Report
18. Annual Dive Clean and Inspections (15 Tanks)
19. Patch Paving Contract
20. Short Term Maintenance Projects
21. Fire Protection for Water Flume System
22. Sewer Collection System CCTV and Repairs
23. Water Tank Master Plan

# **Tuolumne Utilities District Major Projects 2018**

## **► Major Projects 2018**

1. Jamestown Reservoir Replacement Project
2. Curtis Creek Elementary School Intertie: Funding
3. Ditch Meter Installation
4. Annual Sewer Pipeline Lining (CIPP)
5. Matelot Pipeline: Right-of-Way Acquisition
6. Upper Columbia Spill #1
7. Upper Columbia Shoot Pipeline
8. Annual Ditch Maintenance Projects
9. Pedro Y Utility Relocation
10. Columbia County Estates Sewer Lift Station

**Tuolumne Utilities District  
Action Outlines 2018**



<b>GOAL 1</b>	<b>TOP QUALITY UTILITY SERVICES/ SUSTAINABLE WATER RESOURCE MANAGEMENT</b>
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<p><b>ACTION: TREATED WATER SYSTEM OPTIMIZATION PLAN (TWSOP)</b></p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; border-bottom: 1px solid black;"><u>Key Issues</u></th> <th style="text-align: left; border-bottom: 1px solid black;"><u>Activities/Milestones</u></th> <th style="text-align: left; border-bottom: 1px solid black;"><u>Time</u></th> </tr> </thead> <tbody> <tr> <td>• Safe Water Supply</td> <td>1. Rank Alternatives</td> <td>5/18</td> </tr> <tr> <td>• Water Treatment Plant Consolidation</td> <td>2. Board Presentation: Preferred Alternative Direction</td> <td>5/18</td> </tr> <tr> <td>• Operational Efficiency</td> <td>3. Evaluate Sales Potential WTP Sites</td> <td>6/18</td> </tr> <tr> <td>• Cost Control Long Term</td> <td>4. Board Decision: Long Term Alternative</td> <td>7/18</td> </tr> <tr> <td>• Water Quality and Safety</td> <td>5. Develop Implementation Plan</td> <td>9/18</td> </tr> <tr> <td>• Water Reliability</td> <td>6. Board Presentation: Implementation Plan</td> <td>11/18</td> </tr> </tbody> </table>	<u>Key Issues</u>	<u>Activities/Milestones</u>	<u>Time</u>	• Safe Water Supply	1. Rank Alternatives	5/18	• Water Treatment Plant Consolidation	2. Board Presentation: Preferred Alternative Direction	5/18	• Operational Efficiency	3. Evaluate Sales Potential WTP Sites	6/18	• Cost Control Long Term	4. Board Decision: Long Term Alternative	7/18	• Water Quality and Safety	5. Develop Implementation Plan	9/18	• Water Reliability	6. Board Presentation: Implementation Plan	11/18	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;"><b>PRIORITY</b></td> </tr> <tr> <td style="padding: 2px;"><i>Policy – Top</i></td> </tr> </table>	<b>PRIORITY</b>	<i>Policy – Top</i>
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Responsibility: District Engineer/Operations Manager																								

<p><b>ACTION: TUOLUMNE GENERAL PLAN – WATER ELEMENT</b></p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; border-bottom: 1px solid black;"><u>Key Issues</u></th> <th style="text-align: left; border-bottom: 1px solid black;"><u>Activities/Milestones</u></th> <th style="text-align: left; border-bottom: 1px solid black;"><u>Time</u></th> </tr> </thead> <tbody> <tr> <td>• TUD Role in Land Use</td> <td>1. Board Decision: Approach to General Plan</td> <td>4/18</td> </tr> <tr> <td>• Land Uses</td> <td>Comments</td> <td></td> </tr> <tr> <td>• Water Supply</td> <td>2. Board/Staff Review: General Plan</td> <td>9/18</td> </tr> <tr> <td>• Water Quality</td> <td>3. Board Workshop: Comments on General Plan</td> <td>9/18</td> </tr> <tr> <td>• TUD – County Cooperation</td> <td>4. TUD Submit Comments</td> <td>9/18</td> </tr> <tr> <td></td> <td>5. Board Workshop TUD Role and Action: Land Use</td> <td>11/18</td> </tr> </tbody> </table>	<u>Key Issues</u>	<u>Activities/Milestones</u>	<u>Time</u>	• TUD Role in Land Use	1. Board Decision: Approach to General Plan	4/18	• Land Uses	Comments		• Water Supply	2. Board/Staff Review: General Plan	9/18	• Water Quality	3. Board Workshop: Comments on General Plan	9/18	• TUD – County Cooperation	4. TUD Submit Comments	9/18		5. Board Workshop TUD Role and Action: Land Use	11/18	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;"><b>PRIORITY</b></td> </tr> <tr> <td style="padding: 2px;"><i>Policy – Top</i></td> </tr> </table>	<b>PRIORITY</b>	<i>Policy – Top</i>
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<b>PRIORITY</b>																								
<i>Policy – Top</i>																								
Responsibility: General Manager																								

<b>ACTION: DEVELOPMENT/LAND USE STRATEGY: POLICY DIRECTION AND STAFFING</b>		<b>PRIORITY</b>
		<i>Policy – Top</i>
<u>Key Issues</u>	<u>Activities/Milestones</u>	<u>Time</u>
<ul style="list-style-type: none"> <li>• SMART Growth</li> <li>• Long Term Effects on Rate Payers</li> <li>• Water Supply</li> <li>• Efficient Development</li> <li>• Sustainable Planning</li> <li>• Board Education</li> <li>• TUD Staff and Resources</li> </ul>	<ol style="list-style-type: none"> <li>1. Board Workshop: Discussion on Policy Development and Direction</li> <li>2. Coordinate with General Plan Review and Discussion</li> </ol>	<p style="text-align: center;">9/18</p> <p style="text-align: center;">9/18</p>
Responsibility: General Manager/District Engineer		

<b>ACTION: TUD STRATEGY AND ACTIONS WITH TUOLUMNE COUNTY</b>		<b>PRIORITY</b>
		<i>Policy – High</i>
<u>Key Issues</u>	<u>Activities/Milestones</u>	<u>Time</u>
<ul style="list-style-type: none"> <li>• Agency Communication</li> <li>• Agency Cooperation</li> <li>• Addressing Critical Issues List</li> <li>• Protecting Water Quality</li> </ul>	<ol style="list-style-type: none"> <li>1. Review County Issues List</li> <li>2. Joint Meeting: TUD Board And Board of Supervisors</li> <li>3. Board Workshop: Next Steps and TUD Actions</li> </ol>	<p style="text-align: center;">5/18</p> <p style="text-align: center;">6/18</p> <p style="text-align: center;">7/18</p>
Responsibility: General Manager		

## **TUD: Issues with Tuolumne County**

1. Future Growth and Development in County and Water Sewer Implications
2. General Plan
3. "Watershed" Element
4. TUD Involvement in Land Use Processes and Decisions
5. Utilities Extension Policy at County
6. Hook ins into TUD System
7. Recreational Uses/Opportunities with TUD
8. TUD Staffing Capacity to Take on Urban Planning with Tuolumne County
9. County General Plan/Zoning Code Re: Water/Sewer – TUD Comments
10. County Making Land Use Decision then Referring to TUD - TUD say "No"
11. Small Developer Driven Project: Well and Septics
12. Mapping of Water Quality Problems/watershed sanitary survey
13. Septic Systems Impacting Phoenix Lake/Development Distances from Phoenix Lake
14. Appropriate Infill Development: Incentives
15. Development Reimbursement Agreement Policy Modifications
16. TUD Data: Sharing with Tuolumne County
17. Senior Housing
18. Fire Hazards Mitigation Plan
19. Contaminants Enforcement
20. Joint Property Acquisition
21. Mutual Sustainability Plan
22. Disadvantaged Community Grants
23. Public Health Standards
24. Future Economic Development in Tuolumne County
25. CDBG Infrastructure

<b>ACTION: LONG TERM WATER AND WATER STORAGE – WATER RIGHTS STRATEGY</b>		<b>PRIORITY</b>
		<i>Policy – High</i>
<u>Key Issues</u>	<u>Activities/Milestones</u>	<u>Time</u>
<ul style="list-style-type: none"> <li>• Water Rights</li> <li>• Water Supply</li> </ul>	<ol style="list-style-type: none"> <li>1. Evaluate Water Rights Options</li> <li>2. Develop Strategy for Procurement</li> <li>3. Board Briefing: Strategy</li> </ol>	<p style="text-align: center;">12/18</p> <p style="text-align: center;">6/19</p> <p style="text-align: center;">7/19</p>
Responsibility: General Manager		

<b>ACTION: STORMWATER MANAGEMENT POLICY AND ACTIONS</b>		<b>PRIORITY</b>
		<i>Policy</i>
<u>Key Issues</u>	<u>Activities/Milestones</u>	<u>Time</u>
<ul style="list-style-type: none"> <li>• Water Capture</li> <li>• Jurisdictional Responsibility</li> <li>• Rewards vs. Risks</li> <li>• Operational Efficiency</li> <li>• Water Quality</li> <li>• Impact on Phoenix Lake and Other Areas</li> </ul>	<ol style="list-style-type: none"> <li>1. Board Workshop: Review County Stormwater Study/Water Quality Report</li> <li>2. TUD Approach/Operational Issues and Profile</li> <li>3. Board Presentation: Policy Approach Review</li> <li>4. Board Decision: Direction</li> </ol>	<p style="text-align: center;">10/18</p> <p style="text-align: center;">10/18</p> <p style="text-align: center;">12/18</p> <p style="text-align: center;">12/18</p>
Responsibility: District Engineer		

<b>ACTION: OUTSIDE COUNTY SEPTIC WASTE DISPOSAL: DIRECTION</b>		<b>PRIORITY</b>
		<i>Mgmt – Top</i>
<u>Key Issues</u>	<u>Activities/Milestones</u>	<u>Time</u>
<ul style="list-style-type: none"> <li>• Impact on Operations</li> <li>• Rewards vs. Risks</li> <li>• Treatment Challenges</li> <li>• Load Information</li> <li>• Wastewater Treatment Plan</li> </ul>	<ol style="list-style-type: none"> <li>1. Board Workshop: Stantec Technical Memo Review</li> <li>2. Develop New Septic Hauler Agreement</li> <li>3. Develop Revised Septic Hauler Rules and Regulations</li> <li>4. Develop Load Certification Process</li> </ol>	<p style="text-align: center;">4/18</p> <p style="text-align: center;">5/18</p> <p style="text-align: center;">6/18</p> <p style="text-align: center;">6/18</p>
Responsibility: District Engineer/Operations Manager		

**ACTION: TUD: APPOINTMENT TO LOCAL AGENCY FORMATION COMMISSION (LAFCO)**

PRIORITY
<i>Mgmt – Top</i>

<u>Key Issues</u>	<u>Activities/Milestones</u>	<u>Time</u>
<ul style="list-style-type: none"> <li>• Special Districts Representation</li> <li>• Water/Sewer Development</li> <li>• Land Use Input</li> <li>• Locations of New Development</li> </ul>	<ol style="list-style-type: none"> <li>1. Special Districts Meeting</li> <li>2. Develop Consensus on Direction</li> <li>3. Board Decision: Resolution of Support</li> <li>4. Request County to Provide for Special Districts Representation</li> </ol>	<p>5/18</p> <p>5/18</p> <p>6/18</p> <p>7/18</p>

Responsibility: General Manager

**ACTION: TUOLUMNE COUNTY WATER POLICY ADVISORY COMMITTEE STRATEGY AND ACTIONS**

PRIORITY
<i>Mgmt – High</i>

<u>Key Issues</u>	<u>Activities/Milestones</u>	<u>Time</u>
<ul style="list-style-type: none"> <li>• Water Policy</li> <li>• Agency Coordination</li> <li>• Water Quality</li> <li>• Water Quantity</li> <li>• Holistic Approach</li> </ul>	<ol style="list-style-type: none"> <li>1. Provide Committee Presentation on TUD Strategic Plan</li> <li>2. Engage County on Water Quality Issues</li> <li>3. Identify Sanitary Survey Roles and Responsibilities</li> <li>4. Board Report: Update</li> </ol>	<p>6/18</p> <p>7/18</p> <p>9/18</p> <p>10/18</p>

Responsibility: General Manager

**ACTION: WASTEWATER TREATMENT PLANT BIO SOLIDS REPORT**

PRIORITY
<i>Mgmt – High</i>

<u>Key Issues</u>	<u>Activities/Milestones</u>	<u>Time</u>
<ul style="list-style-type: none"> <li>• Hauling</li> <li>• Storing</li> </ul>	<ol style="list-style-type: none"> <li>1. Evaluate Bio Solids Market in California and Tuolumne County</li> <li>2. Review Stantec Technical Memo</li> <li>3. Evaluate Hauling Costs vs. Local Storage</li> <li>4. Board Presentation</li> </ol>	<p>9/18</p> <p>10/18</p> <p>11/18</p> <p>6/19</p>

Responsibility: District Engineer/Operations Manager

<b>ACTION: WATER PROFESSIONAL ORGANIZATION</b>		<b>PRIORITY</b>
<b>ADVOCACY: TUD STAFF</b>		<i>Mgmt – High</i>
<u>Key Issues</u>	<u>Activities/Milestones</u>	<u>Time</u>
<ul style="list-style-type: none"> <li>• Training</li> <li>• Staff Development</li> <li>• Fund</li> <li>• Best Management Practices</li> </ul>	<ol style="list-style-type: none"> <li>1. Identify Relevant Professional Organizations</li> <li>2. Assess Training Opportunities</li> <li>3. Incorporate into Annual Training Schedule</li> </ol>	<p>6/18</p> <p>8/18</p> <p>9/17</p>
<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">Responsibility: Human Resources Director</div>		

<b>ACTION: WATER TANK MASTER PLAN</b>		<b>PRIORITY</b>
		<i>Mgmt</i>
<u>Key Issues</u>	<u>Activities/Milestones</u>	<u>Time</u>
<ul style="list-style-type: none"> <li>• Tank Condition</li> <li>• Consolidation</li> <li>• TWSOP</li> <li>• Bolted vs. Welded</li> </ul>	<ol style="list-style-type: none"> <li>1. Complete Tank Assessment</li> <li>2. Board Briefing:               <ol style="list-style-type: none"> <li>a. Review Tank Assessment</li> <li>b. Recommendations</li> </ol> </li> </ol>	<p>10/18</p> <p>11/18</p>
<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">Responsibility: Operations Manager</div>		

<b>► Management in Progress 2018</b>	<b>TIME</b>
1. Strategic Plan 2018-2023-2033: Update	5/18
2. Hazard Trees Mitigation Program: Report	9/18
3. Ditch Water Balance: Data Gathering/Analysis	12/18
4. Water ESRF Capacity Chart: Update	6/19
5. Ditch MID Customer Metering: Installation	Ongoing
6. Toilet Rebate Program (RCD)	Ongoing
7. Bay Delta Plan SED Response: Monitoring and Comment	Completed

<b>GOAL 2</b>	<b>HIGH PERFORMING ORGANIZATION</b>
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<b>ACTION: TUD ADVOCACY AND LOBBYING</b>		<b>PRIORITY</b>
		<i>Policy – High</i>
<u>Key Issues</u>	<u>Activities/Milestones</u>	<u>Time</u>
<ul style="list-style-type: none"> <li>• Water Rights</li> <li>• Water Storage</li> <li>• Water Tax</li> <li>• County of Origin</li> <li>• Disadvantage</li> <li>• Wastewater</li> <li>• Tracking Mechanism</li> <li>• Policy Framework</li> <li>• Funding</li> <li>• Lake Level</li> </ul>	<ol style="list-style-type: none"> <li>1. Develop Legislative Initiatives and Tracking Mechanism</li> <li>2. Board Decision: Legislative Policy and 2019 Agenda</li> <li>3. Legislative Advocacy: Kick Off</li> </ol>	<p>7/18</p> <p>9/18</p> <p>9/18</p>
Responsibility: General Manager		

<b>ACTION: PROACTIVE COMMUNICATIONS STRATEGY</b>		<b>PRIORITY</b>
		<i>Policy</i>
<u>Key Issues</u>	<u>Activities/Milestones</u>	<u>Time</u>
<ul style="list-style-type: none"> <li>• Customer Relations</li> <li>• Transparency</li> <li>• TUD’s Story</li> <li>• Regulatory Challenges</li> <li>• Customer Education</li> <li>• Annual Presentation</li> </ul>	<ol style="list-style-type: none"> <li>1. Develop Calendar of Presentation Dates</li> <li>2. Develop Customer-Oriented Presentation in Power Point</li> <li>3. Develop Invitation, Locations and Reserve Presentation Sites</li> <li>4. Board Workshop: Communications Strategy Review</li> <li>5. Conduct Presentations</li> </ol>	<p>4/18</p> <p>5/18</p> <p>5/18</p> <p>6/18</p> <p>6/18-8/18</p>
Responsibility: General Manager/Public Relations		

<b>ACTION: ENTERPRISE RESOURCES PLANNING SOFTWARE (ERP)</b>		<b>PRIORITY</b>
		<i>Mgmt – Top</i>
<u>Key Issues</u>	<u>Activities/Milestones</u>	<u>Time</u>
<ul style="list-style-type: none"> <li>• Software Upgrade</li> <li>• Efficient Chart of Accounts</li> <li>• Efficient Meter Routes (3)</li> <li>• Transparency</li> <li>• 12-18 month process</li> </ul>	<ol style="list-style-type: none"> <li>1. Begin implementation of software</li> <li>2. Consolidate meter routes for implementation with software</li> </ol>	<p style="text-align: center;">4/18</p> <p style="text-align: center;">11/18</p>
Responsibility: Finance Director		

<b>ACTION: INFORMATION TECHNOLOGY MASTER PLAN: DEVELOPMENT</b>		<b>PRIORITY</b>
		<i>Mgmt – High</i>
<u>Key Issues</u>	<u>Activities/Milestones</u>	<u>Time</u>
<ul style="list-style-type: none"> <li>• Public Information</li> <li>• System Security</li> <li>• Customer Service</li> <li>• Systems Compatibility</li> <li>• Data Collection and Management</li> </ul>	<ol style="list-style-type: none"> <li>1. Complete a documentation of all existing technology systems and softwares</li> <li>2. Develop a projected upgrade schedule for existing systems</li> <li>3. Develop draft IT Replacement schedule (funding) policy</li> <li>4. Board Briefing:               <ol style="list-style-type: none"> <li>a. Tech systems/replacement/funding policy</li> </ol> </li> </ol>	<p style="text-align: center;">12/18</p> <p style="text-align: center;">01/19</p> <p style="text-align: center;">02/19</p> <p style="text-align: center;">03/19</p>
Responsibility: Finance Director		

<b>► Management in Progress 2018</b>	<b>TIME</b>
1. Safety Compliance Coordinator	12/18
2. GIS Technician	12/18
3. 2018 Safety Plan	12/18
4. Electronic Mapping and Records Management	Ongoing
5. Field Book Improvements	Ongoing



<b>GOAL 3</b>	<b>SOCIALLY, ENVIRONMENTALLY AND FINANCIALLY RESPONSIBLE</b>
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<b>ACTION: CAPACITY AND CONNECTION FEES: REVIEW/EVALUATION</b>	<b>PRIORITY</b>	
	<i>Policy – High</i>	
<u>Key Issues</u>	<u>Activities/Milestones</u>	<u>Time</u>
<ul style="list-style-type: none"> <li>• Development Costs</li> <li>• Rate Payer Protection</li> <li>• Transparency</li> <li>• Potable</li> <li>• Ditch</li> </ul>	<ol style="list-style-type: none"> <li>1. Prepare Report: Review/Evaluation                             <ol style="list-style-type: none"> <li>a. Potable water connections</li> <li>b. Ditch connections</li> </ol> </li> <li>2. Review Ag Incentive Program</li> <li>3. Board Decision: Direction on Goals and Objectives</li> </ol>	<p style="text-align: center;">10/18</p> <p style="text-align: center;">11/18</p>
<b>Responsibility: District Engineer</b>		

<b>ACTION: GRANTS: EXPANSION</b>	<b>PRIORITY</b>	
	<i>Policy – High</i>	
<u>Key Issues</u>	<u>Activities/Milestones</u>	<u>Time</u>
<ul style="list-style-type: none"> <li>• Leverage TUD Dollars and Resources</li> <li>• Disadvantaged Communities Funding</li> <li>• Infrastructure</li> <li>• Regulations</li> <li>• Eligibility</li> </ul>	<ol style="list-style-type: none"> <li>1. Identify Grants Opportunities</li> <li>2. Board Decision: Resolution of Grant Support</li> <li>3. Prepare Grant Applications</li> </ol>	<p style="text-align: center;">Ongoing</p> <p style="text-align: center;">TBD</p> <p style="text-align: center;">TBD</p>
<b>Responsibility: District Engineer</b>		

► **Management in Progress 2018**

1. Reclaimed Water Contract: Review
2. Annual CAL PERS Report
3. CIP Update
4. Fund Reserve Plan: Implementation

TIME
12/18
9/19
Monthly
Completed

<b>GOAL 4</b>	<b>TOP QUALITY INFRASTRUCTURE</b>
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<b>ACTION: DITCH SYSTEM CEQA COMPLIANCE: IMPLEMENTATION</b>		<b>PRIORITY</b>
		<i>Policy – Top</i>
<u>Key Issues</u>	<u>Activities/Milestones</u>	<u>Time</u>
<ul style="list-style-type: none"> <li>• Ditch Outage</li> <li>• Environmental Impacts</li> <li>• Techniques</li> </ul>	<ol style="list-style-type: none"> <li>1. Board Briefing: Maintenance Activities and Methods</li> <li>2. Develop 2019 Maintenance Schedule</li> <li>3. Board Workshop: Maintenance Schedule Review</li> <li>4. Complete Maintenance Activities</li> </ol>	<p>6/18</p> <p>6/18</p> <p>7/18</p> <p>10/18</p>
Responsibility: Operations Manager		

<b>ACTION: SECURE CONVEYANCE PIPELINE: FUNDING MECHANISM</b>		<b>PRIORITY</b>
		<i>Policy – Top</i>
<u>Key Issues</u>	<u>Activities/Milestones</u>	<u>Time</u>
<ul style="list-style-type: none"> <li>• FEMA Hazard Mitigation</li> <li>• Funding beyond Grant</li> <li>• Grant Approval</li> </ul>	<ol style="list-style-type: none"> <li>1. Board Briefing: Grant Application Submittal</li> <li>2. Receive Grant Notification</li> <li>3. Board Decision: Matching Funds</li> </ol>	<p>4/18</p> <p>9/18</p> <p>12/18</p>
Responsibility: District Engineer		

**ACTION: PHOENIX LAKE RECREATION**

<b>PRIORITY</b>
<i>Policy</i>

<u>Key Issues</u>	<u>Activities/Milestones</u>	<u>Time</u>
<ul style="list-style-type: none"> <li>• TUD Role</li> <li>• Funding</li> <li>• Partners</li> <li>• Scope of Recreation Homeowners around Lake</li> <li>• Public Access</li> <li>• Water Quality</li> <li>• Sedimentation</li> </ul>	<ol style="list-style-type: none"> <li>1. Identify Opportunities and Constraints to Recreational Opportunities</li> <li>2. Identify Funding Opportunities</li> <li>3. Board Presentation: Report Review and Direction</li> </ol>	<p>8/18</p> <p>9/18</p> <p>10/18</p>

Responsibility: District Engineer

**ACTION: SONORA REGIONAL WASTEWATER TREATMENT PLANT STUDY**

<b>PRIORITY</b>
<i>Mgmt – Top</i>

<u>Key Issues</u>	<u>Activities/Milestones</u>	<u>Time</u>
<ul style="list-style-type: none"> <li>• Infrastructure Improvements</li> <li>• Improving Treatment</li> <li>• Funding</li> <li>• Waste Discharge Requirements</li> <li>• Plant Capacity</li> <li>• State Water Bond Election</li> </ul>	<ol style="list-style-type: none"> <li>1. Board Workshop: Study Review</li> <li>2. Develop CIP Plan – Project</li> <li>3. Develop implementation Schedule</li> <li>4. Evaluate Funding Opportunities</li> <li>5. Board Decision: Direction and Funding</li> </ol>	<p>5/18</p> <p>9/18</p> <p>1/19</p> <p>3/19</p> <p>4/19</p>

Responsibility: District Engineer/Operations Manager

<b>ACTION: PHOENIX LAKE REHABILITATION/ RESTORATION PROJECT</b>		<b>PRIORITY</b>
		<i>Mgmt – Top</i>
<u>Key Issues</u>	<u>Activities/Milestones</u>	<u>Time</u>
<ul style="list-style-type: none"> <li>• Water Quality</li> <li>• Sedimentation</li> <li>• Funding</li> <li>• Permits</li> </ul>	<ol style="list-style-type: none"> <li>1. Secure Permits</li> <li>2. Develop Final Plans</li> <li>3. Bid Project</li> <li>4. Construction</li> </ol>	<p>12/18</p> <p>12/18</p> <p>3/19</p> <p>6/19-10/20</p>
Responsibility: District Engineer		

<b>ACTION: LAW AND JUSTICE SEWER LIFT STATION: IMPLEMENTATION</b>		<b>PRIORITY</b>
		<i>Mgmt – High</i>
<u>Key Issues</u>	<u>Activities/Milestones</u>	<u>Time</u>
<ul style="list-style-type: none"> <li>• County/TUD cooperation</li> <li>• Effective operations</li> <li>• Eliminate SSO related to jail debris</li> </ul>	<ol style="list-style-type: none"> <li>1. Bid Screen</li> <li>2. Construction</li> </ol>	<p>5/18</p> <p>5/19</p>
Responsibility: District Engineer		

<b>ACTION: HAZARD TREE MITIGATION PLAN: IMPLEMENT</b>		<b>PRIORITY</b>
		<i>Mgmt – High</i>
<u>Key Issues</u>	<u>Activities/Milestones</u>	<u>Time</u>
<ul style="list-style-type: none"> <li>• TUD Infrastructure Protection</li> <li>• Fire Protection</li> <li>• CDAA Funding</li> </ul>	<ol style="list-style-type: none"> <li>1. Complete Eureka Ditch Hazard Tree Removal Project</li> <li>2. Board Decision: Award Contract for Columbia Ditch Hazard Tree Mitigation Program</li> <li>3. Board Report: Comprehensive Hazard Tree Mitigation Plan (since 2015)</li> </ol>	<p>7/18</p> <p>7/18</p> <p>10/18</p>
Responsibility: District Engineer		

<b>ACTION: TECHITE PIPELINE REPLACEMENT</b>		<b>PRIORITY</b>
		<i>Mgmt – High</i>
<u>Key Issues</u>	<u>Activities/Milestones</u>	<u>Time</u>
<ul style="list-style-type: none"> <li>• Improve infrastructure</li> <li>• Customer service</li> <li>• Public health</li> </ul>	<ol style="list-style-type: none"> <li>1. Develop plan for phased techite pipe replacement</li> <li>2. Develop and Assign task order for design and environmental assessment</li> <li>3. Identify funding in CIP for phased replacement</li> <li>4. Board Briefing on Plan</li> </ol>	<p>9/18</p> <p>10/18</p> <p>01/19</p> <p>01/19</p>
<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">Responsibility: Operations Manager</div>		

<b>ACTION: EUREKA DITCH PIPE SEGMENT</b>		<b>PRIORITY</b>
		<i>Mgmt</i>
<u>Key Issues</u>	<u>Activities/Milestones</u>	<u>Time</u>
<ul style="list-style-type: none"> <li>• Effect permanent repair</li> <li>• Corrosion</li> <li>• Restore ditch segment</li> </ul>	<ol style="list-style-type: none"> <li>1. Begin on-call design effort</li> <li>2. Complete environmental assessment</li> </ol>	<p>7/18</p> <p>6/19</p>
<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">Responsibility: District Engineer / Operations Manager</div>		

**ACTION: DITCH SYSTEM CONNECTIONS**

[Combined with Ditch System CEQA Compliance: Implementation]

**ACTION: DITCH SYSTEM MAINTENANCE**

[Combined with Ditch System CEQA Compliance: Implementation]

**► Management in Progress 2018**

1. Patch Paving Contract
2. Water Tank Master Plan
3. CIP: Monthly Report
4. Annual Dive Clean and Inspections (15 Tanks)
5. Short Term Maintenance Projects
6. Fire Protection for Water Flume System
7. Sewer Collection System CCTV and Repairs

TIME
5/18
12/18
Monthly
Ongoing
Ongoing
Ongoing
Ongoing

**► Major Projects 2018**

1. Jamestown Reservoir Replacement Project
2. Curtis Creek Elementary School Intertie: Funding
3. Annual Sewer Pipeline Lining (CIPP)
4. Matelot Pipeline: Right-of-Way Acquisition
5. Annual Ditch Maintenance Projects
6. Pedro Y Utility Relocation
7. Columbia County Estates Sewer Lift Station
8. Upper Columbia Spill #1
9. Upper Columbia Shoot Pipeline
10. Ditch Meter Installation

TIME
4/18
9/18
12/18
12/18
12/18
12/18
06/18
06/19
06/19
Ongoing

## MONTH

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APRIL 2018

1. Board Decision: Approach to General Plan Comments
2. Board Workshop: Stantec Technical Memo
3. Board Briefing: Secure Conveyance Pipeline Grant Application



## MONTH

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MAY 2018

1. Board Presentation: TWSOP Preferred Alternative
2. Board Workshop: Sonora Regional Wastewater Plant Study Review

## MONTH

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JUNE 2018

1. Joint Meeting: TUD Board – Tuolumne County Board of Supervisors
2. Board Decision: LAFCO Resolution of Support for Special Districts Representation
3. Board Workshop: TUD Communications Strategy Review

## MONTH

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JULY 2018

1. Board Decision: TWSOP Long Term Direction
2. Board Decision: Award Contract for Columbia Ditch Hazard Tree Mitigation Program
3. Board Workshop: Tuolumne County Issues and Next Steps

**MONTH**

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**AUGUST 2018**

## MONTH

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### SEPTEMBER 2018

1. Board Decision: TUD Legislative Policy and 2019 Agenda
2. Board/Staff Review: General Plan
3. Board Workshop: Development/Land Use – Role, Policy, Staffing

## MONTH

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OCTOBER 2018

1. Board Workshop: County Stormwater Study
2. Board Report: Tuolumne County Water Policy Advisory Committee Strategy and Actions
3. Board Report: Comprehensive Hazard Tree Mitigation Plan (since 2015)
4. Board Presentation: Phoenix Lake Recreation Report

## MONTH

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### NOVEMBER 2018

1. Board Decision: Capacity and Connection Fees – Goals and Objectives
2. Board Workshop: TUD Role in Land Use
3. Board Presentation: TWSOP Implementation Plan
4. Board Briefing: Review Water Tank Master Plan Assessment & Recommendations

## MONTH

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DECEMBER 2018

1. Board Presentation/Decision: Stormwater Management Policy Direction



## MONTH

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JANUARY 2019

1. Board Briefing Techite Pipe Replacement Plan