



## **BOARD OF SUPERVISORS AGENDA ITEM REPORT**

Requested Board Meeting Date: January 8, 2019

**Title:** Proposed Amendments of Pima County Code, Title 13 Public Services code, Division II - Sewers, Chapters 13.28 - Mt. Lemmon Sewer Connections and 13.32 - Mt. Lemmon User Fee Surcharges

### **Introduction/Background:**

The Regional Wastewater Reclamation Department (RWRD) is proposing amendments to the Pima County Code (PCC) for Mt. Lemmon, specifically Chapters 13.28 - Mt. Lemmon Sewer Connections and 13.32 - Mt. Lemmon User Fee Surcharges. The Chapters that govern Mt. Lemmon sewer connections and conservation surcharges were established in 1982 with the construction of the current Mt. Lemmon Water Reclamation Facility (WRF) in Summerhaven. The PCC was updated in 2004, post Aspen Fire, based on the County's renewal of the contract with the United States Forest Service (USFS) to operate the WRF and discharge spray field. RWRD currently serves 36 parcels in Summerhaven with limited additional connections based on the permitted capacity (not to exceed a monthly average 12,500 gallons per day, or 17,000 gallons in any one day, or a total limit of 77 connections).

The proposed revisions will remove the historic elements that once served to reestablish the devastated community after the 2003 Aspen Fire and bring the service area procedures into alignment with the rest of the County served by RWRD. The revisions will also remove references to low flow plumbing fixtures and emphasize the threshold for limited capacity available based on the USFS permit.

Other significant changes include the proposal to sunset the Standby Status for connections and the inclusion of an Operations Surcharge for the system.

### **Discussion:**

The historic requirements and moratorium for connections, and the obsolete special requirements created post Aspen Fire have been removed from Chapter 13.28. These elements of the PCC were once important as the community transitioned from septic to sewer in the early 1980s and again assisted in the recovery from the devastation of the Aspen Fire. In their place is a proposal to align this thriving community's construction and connection process with the existing requirements in Chapter 13.20 - Construction, Connections, and Fees, which are applicable to the regional wastewater system.

In Chapter 13.32, the requirements for low flow plumbing fixtures that were innovative over 30 years ago are now surpassed by the minimum industry standards. RWRD proposes that all sewer users be considered compliant with current conservation standards, based on use of low flow fixtures, and proposes to remove the extra charges for non-compliance. All sewer users will be billed the Conservation Surcharge only when exceeding four (4) Hundred-cubic-feet (CCF) for residential and 40 CCF for commercial, instead of two (2) CCF and 20 CCF respectively.

In alignment with sufficient availability of capacity at the WRF, a proposal to sunset the Standby Status for connections is relevant. From the original 47 connections prior to the Fire, only 32 parcels currently rely on the sewer system for service. There are five (5) customers on the standby list and the sunset date of June 30, 2023 provides five (5) years for those customers to complete their connections to the sewer system.

The most significant change is the proposal to introduce an Operational Surcharge for Mt. Lemmon sewer users, set at zero. This placeholder serves as a mechanism to recover the disproportionate costs for the operation of this small, remotely located system. Cost evaluations show that in comparison to similar

service areas in the regional system, the Mt. Lemmon service area is 26 times more expensive per person to operate and maintain.

RWRD staff and the Regional Wastewater Reclamation Advisory Committee (RWRAC) have organized and held the following meetings to ensure stakeholders and consumers had the opportunity to provide meaningful input into this process. Meetings were advertised and held in the following order:

- Stakeholders' presentation at the Mt. Lemmon HOA meeting posted in Featured News on the PCRWRD Home Page, Monday, October 15, 2018
- Stakeholders' presentation at the Mt. Lemmon HOA meeting posted on Mt. Lemmon HOA's Nextdoor App, Tuesday, October 16, 2018
- Stakeholders' presentation on Mt. Lemmon, Saturday, October 20, 2018
- Public Meeting posted in Featured News on the PCRWRD Home Page, Monday, October 29, 2018
- Public Meeting posted on Mt. Lemmon HOA's Nextdoor App, Tuesday, October 30, 2018
- Public Meeting was held by the RWRAC at the Kirk-Bear Canyon Library, Thursday, November 15, 2018.

On November 15, 2018, the RWRAC voted six (6) to one (1), with one (1) member abstaining, in favor of providing a recommendation to the Board of Supervisors to adopt the amendments.

**Conclusion:**

The requested revisions to Chapters 13.28 and 13.32 are comprehensive updates that align the sewer users of Summerhaven with the remainder of the County, eliminate historic narratives and low flow fixture requirements, sunset the Standby Status within five (5) years, raise the threshold for the Conservation Surcharge for all users, and create a placeholder for adequate future recovery of operation costs.

**Recommendation:**

Recommend that the Board of Supervisors approve and adopt Pima County Ordinance 2019-\_\_\_\_ revising Pima County Public Services Code, Title 13, Division II, Chapter 13.28 - Mt. Lemmon Sewer Connections and Chapter 13.32 - Mt. Lemmon Conservation Fees.

**Fiscal Impact:**

There will be no fiscal impact created from the proposed changes to the PCC.

**Board of Supervisor District:**

- 1       2       3       4       5       All

Department: Pima County Regional Wastewater Reclamation Telephone: (520) 724-6500

Contact: Eric Wieduwilt Telephone: (520) 724-9841

Department Director Signature/Date:  11/27/18

Deputy County Administrator Signature/Date:  12/11/18

County Administrator Signature/Date:  12/11/18

ORDINANCE 2019- \_\_\_\_

AN ORDINANCE OF THE BOARD OF SUPERVISORS OF PIMA COUNTY, ARIZONA, RELATING TO SEWER USER FEE SURCHARGES APPLICABLE TO MT. LEMMON RESIDENTS; AMENDING THE PIMA COUNTY CODE BY AMENDING CHAPTER 13.28 (MT. LEMMON SEWER CONNECTIONS)

BE IT ORDAINED BY THE BOARD OF SUPERVISORS OF PIMA COUNTY, ARIZONA:

SECTION 1. Pima County Code Chapter 13.28 is amended as follows:

Chapter 13.28 - MT. LEMMON SEWER CONNECTIONS

13.28.005 - Applicability~~Purpose of 2004 amendments.~~

The provisions of this Chapter apply only to those Users authorized by the County and the United States Forest Service Special Use Permit, as amended, to connect to the Public Sewage Conveyance System. No new connection to the Summerhaven-area Public Sewage Conveyance System is allowed unless the connection is authorized by the County and is consistent with the limits of the United States Forest Service Special Use permit. The Mt. Lemmon Sewerage System serves forty-seven properties identified in a United States Forest Service Special Use Permit. Based on the 2003 reported flows, the sewerage system is capable of treating wastewater from up to approximately thirty additional connections without exceeding discharge limits imposed by the Forest Service, the United States Environmental Protection Agency, and ADEQ. In order to mitigate effects to the Mt. Lemmon watershed of the continued use of a large number of on-site sewage treatment systems within the Mt. Lemmon communities, the Board of Supervisors adopts changes to the Mt. Lemmon Sewer Connections Ordinance to enumerate the procedure by which the Department may connect Mt. Lemmon property owners previously not served by the sewerage system.

13.28.010 - Definitions.

Unless an alternate definition is provided in this Chapter, the definitions of Chapter 13.20 – Sanitary Sewer Construction, Connection, and Fees and 13.24 – Sanitary Sewer User Fees are incorporated herein by reference. As used in this chapter:

A. “Standby Status” means a priority issued to certain Properties with existing, permitted connections to the SCS but from which there are no current discharges because there are no improvements on the connected properties. If improvements are constructed on a Property while

it is on Standby Status, the Owner may begin discharging following establishment of an active User Fee account. "ADEQ" means the State of Arizona Department of Environmental Quality.

B. "Summerhaven" means the unincorporated community located on Mt. Lemmon.

"Commercial user" means one discharging wastewater from establishments operated for profit including, but not limited to, hotels, motels, restaurants and bars, and establishments operated to serve the public including, but not limited to, governmental offices and health clinics.

C. "Department" means the county wastewater management department.

D. "Director" means the director of the department.

E. "Residential user" means a user who discharges domestic wastewater from a dwelling unit which includes, but is not limited to, single family dwellings, cabins, apartments, condominiums, townhouses, mobile homes and manufactured homes regardless of whether the mobile home or manufactured home is located on a separate residential lot or within a mobile or manufactured home park. Schools are included under this definition for the purpose of this code.

F. "Sewerage system" means the county wastewater collection, Mt. Lemmon Wastewater Treatment Facility and disposal system operated by the department exclusive of any piping located beyond the outside diameter of mainline or lateral sewers serving more than one property, regardless of whether the piping is within public right of way or within private property.

G. "USFS" means the United States Forest Service.

H. "User" means one who discharges wastewater into the public sewerage system.

I. "Wastewater" means liquid discharge resulting from the use of water for domestic, commercial or industrial purposes.

J. "Water meter" means an enclosed, mechanical device approved by the county and of a type which measures and records the quantity of water flow through the device so that a reading of the cumulative quantity of flow can be obtained at any time by any person without special equipment or permission.

K. "Water system" means the source of water and all facilities for collection, producing, conditioning, storing or distributing water directly for all purposes except plant or crop irrigation, which includes, but is not limited to, the following uses: drinking or production, processing, storing, handling, serving or transportation of food or drink or washing of related utensils, equipment or food contact surfaces or bathing, oral or sanitary hygiene, washing of clothes or dishes.

13.28.020 - Inclusion by Reference~~Moratorium pending construction.~~

A. Unless specifically modified in this Chapter, the provisions of Chapter 13.20 – Sanitary Sewer Construction, Connection, and Fees apply to all connections to the SCS within Summerhaven.

B. Unless specifically modified in this Chapter, the provisions of Chapter 13.24 – Sanitary Sewer User Fees apply to all Wastewater customers within Summerhaven.

~~A moratorium on new connections to the public sewerage system is in effect except that, upon receipt of amendments to the USFS special use permit and applicable ADEQ permits regulating treatment discharge from the sewerage facility, a limited number of property owners to establish new sanitary sewer connections to the sewerage system may be established as provided in § 13.28.055 through 13.28.095.~~

13.28.030 - Approval to Connect~~Requirements—~~Vacant properties.

In addition to the provisions of Chapter 13.20, a~~All of the following requirements must be met by an Applicant before Approval of a Private Connection to the Summerhaven SCS~~any connection of properties, vacant at the time of enactment of the ordinance codified in this chapter, can be made to the sewerage system:

A. There must be an unallocated connection remaining of the maximum number of connections authorized by the U.S. Forest Service permit. Private Connection submittals will be reviewed in order of date of submittal~~The property must be entitled to the county sewer service as evidenced by a connection permit or payment of sewer bills over a period of three years or more.~~

B. All property improvements must incorporate industry-recognized, low-flow toilets, shower heads, and faucet aerators~~The property shall have installed a water meter in the water system serving the premises.~~

C. All property improvements must be designed to incorporate industry-recognized low-flow toilets, shower heads and faucet aerators so as to achieve a significant reduction in the flow of wastewater to the sewerage system from that expected of like improvements designed without a concern for reduction of flow in wastewater. The design shall identify all devices proposed to reduce wastewater flow and the department, and other departments of the county as may have separate jurisdiction, shall approve their use before the connection to the new sewerage system is initiated.

13.28.040 - Properties on Standby Status~~Requirements—~~Improved properties.

Properties on Standby Status as of the effective date of this ordinance retain Standby Status only through June 30, 2023. As of July 1, 2023, Standby Status will be eliminated. Any property on Standby Status which has not established a User account as of that date will forfeit any existing

rights resulting from Standby Status and must reapply for permission to connect to the SCS as required by section 13.28.030. All of the following requirements must be met by improved properties as a condition of service by the sewerage system:

~~A. Only those properties to which the county is required to provide wastewater collection, treatment and disposal services as evidenced by a connection permit shall be permitted to connect to the sewerage system.~~

~~B. All properties shall have installed a water meter in the water system serving the premises.~~

~~C. Should the owner of title to a property, or his authorized agent or contractor, perform major plumbing modifications or rehabilitations, then they shall incorporate industry recognized low-flow toilets, shower heads and faucet aerators so as to achieve a significant reduction in the flow of wastewater to the sewerage system. The department, and other departments of the county as may have separate jurisdiction, shall approve the use of all devices proposed to reduce wastewater flow before such modification or rehabilitations are initiated.~~

~~13.28.050—Adopted provisions.~~

~~The following list of sections of this title, as adopted and amended by the board of supervisors, or such ordinance(s) as may succeed the following referenced sections, shall be incorporated in this chapter and made a part hereof, except as may conflict with the provisions of this chapter:~~

~~13.20.020 Definitions.~~

~~13.20.025 Access to the Public Sanitary Sewer Conveyance System.~~

~~13.20.030 Construction of public sanitary sewerage facilities.~~

~~13.20.035 Private sanitary sewerage conveyance system.~~

~~13.20.040 Connection to public sanitary sewerage system.~~

~~13.20.045 Connection fees.~~

~~13.20.050 Credits and rebates.~~

~~Requirements of Chapters 13.24 and 13.32 shall also be incorporated into this chapter.~~

~~13.28.055—Request for sewer service connection.~~

~~Beginning January 17, 2005, an owner of property not connected to the sewerage system which otherwise meets the requirements for establishing connection to the sewerage system under this chapter may file with the Department a request for sewer service connection, together with a processing fee of one hundred dollars. The processing fee is non-refundable but may be applied to the sewer service connection fee if the property owner establishes service. The Department shall record the date and time that applications are received by the Department.~~

~~13.28.060 – Comfort station connection.~~

~~Upon the Department's receipt of amendments to the USFS special use permit and applicable ADEQ permits regulating treatment discharge from the sewerage facility authorizing an increase to the number of properties to which the Department may offer sewer service through the sewerage system, the Department shall connect the comfort station to the sewerage system if sufficient treatment capacity exists.~~

~~13.28.065 – Number of additional permitted sewer connections.~~

~~Upon the Department's receipt of amendments to the USFS special use permit and applicable ADEQ permits regulating treatment discharge from the sewerage facility authorizing an increase to the number of properties to which the Department may offer sewer service through the sewerage system, the Department shall use good engineering practices to determine the number of connections possible under the amended permits that may be made to the sewerage system in addition to the previously authorized connections and the comfort station.~~

~~13.28.070 – Notification of capacity.~~

~~The Department shall notify in the order the requests for sewer service connection were received a corresponding number of requesting property owners of the Department's preliminary approval to establish a new sewer service connection. In the event of a material tie, the Department shall determine by drawing the property owner to whom to give preliminary approval. The Department shall give the property owners five days notice of the time and place of the determination by drawing. The Department shall not notify any property owner of the Department's preliminary approval to connect to the sewerage system if such connection would violate sewerage system permitting conditions and shall not allow any property owner to connect to the sewerage system if such connection would violate sewerage system permitting conditions.~~

~~13.28.075 – Construction standards and review; submission of as-built plans.~~

~~Each property owner who receives from the Department preliminary approval to establish a private connection to the sewerage system shall submit plans to the Department showing the method and location of the proposed private sewer service connection and any required public sewer improvements, which shall be designed in accord with applicable building and plumbing codes and the building and design requirements of § 13.20.035. The Department shall review the plans and, within twenty days, take one of three actions: approve them or notify the property~~

~~owner in writing of the denial of the submitted plans or modifications necessary for approval. In no case will the Department approve plans until it receives amendments to the USFS special use permit and applicable ADEQ permits regulating treatment discharge from the sewerage facility authorizing an increase to the number of properties to which the Department may offer sewer service through the sewerage system. Upon completion of construction, the property owner must submit two copies of the as-built plans for the private sewer service connection and public sewer improvements.~~

~~13.28.080—Connection fee required.~~

~~Once plans for a proposed private sewer service connection have been approved by the Department, the Department shall calculate the sewer connection fees in accord with § 13.20.045 and issue a connection permit. A payment made pursuant to § 13.28.060 shall be a credit against the calculated sewer connection fee. No property owner may discharge into the sewerage system without first paying the applicable sewer service connection fee.~~

~~13.28.085—Property fronting existing public sanitary sewer system.~~

~~Each property owner whose property fronts an existing sanitary sewer line who receives the Department's preliminary approval to connect and whose connection plans have been approved shall receive the Department's final approval if, within one year of the date the Department notified the property owner of the preliminary approval to establish a sewer service connection, the property owner constructs the private sewer service connection, establishes the physical connection, obtains upon inspection Departmental approval of the connection, and activates sewer service. The Department's preliminary approval and the issued connection permit shall automatically expire if the property owner fails to complete these steps within one year of the date the Department issued its preliminary approval, except that this deadline shall be extended once by twenty days for any property owner who requests activation of sewer service within thirty days of the expiration of this deadline. If the property owner fails to obtain the Department's final approval, the Department shall then refund the reimbursable portion of the property owner's connection fees under § 13.20.045(K).~~

~~13.28.090—Property not fronting existing public sanitary sewer system.~~

~~Each property owner, or each of a group of property owners acting jointly, whose property does not front an existing sanitary sewer line who receives the Department's preliminary approval to connect and whose connection plans have been approved shall receive the Department's final approval if, within one year of the date the Department notified the property owner(s) of the preliminary approval to establish a sewer service connection, the property owner(s) constructs the private sewer service connection, constructs in accordance with Department standards any required public sewer necessary to achieve connection to the existing mainline public sewer, establishes the physical connection, obtains upon inspection Departmental approval of the connection and any public sewer line construction, and activates sewer service. The Department's preliminary approval and the issued connection permit shall automatically expire if the property owner or owners fail to complete these steps within one year of the date the Department issued~~

~~its preliminary approval, except that this deadline shall be extended once by twenty days for any property owner or owners who request activation of sewer service within thirty days of the expiration of this deadline. If the property owner fails to obtain the Department's final approval, the Department shall then refund the reimbursable portion of the property owner's or owners' connection fees collected pursuant to § 13.20.045(K).~~

~~13.28.095 – Evaluation of capacity.~~

~~If the Department determines at any time that sufficient capacity exists to accommodate an additional connection to the sewerage system with the sewer age system effluent discharge limits, it shall follow the procedures established in this chapter to so increase the number of properties connected to the sewerage system.~~

SECTION 2. This ordinance is effective 30 days after the date of adoption.

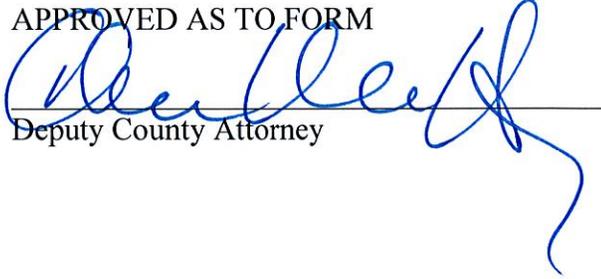
PASSED AND ADOPTED by the Board of Supervisors, Pima County, Arizona, this \_\_\_\_\_ day of \_\_\_\_\_, 2019.

\_\_\_\_\_  
Chairman, Pima County Board of Supervisors

ATTEST:

APPROVED AS TO FORM

\_\_\_\_\_  
Clerk of the Board

  
\_\_\_\_\_  
Deputy County Attorney

ORDINANCE 2019- \_\_\_\_\_

AN ORDINANCE OF THE BOARD OF SUPERVISORS OF PIMA COUNTY, ARIZONA, RELATING TO SEWER USER FEE SURCHARGES APPLICABLE TO MT. LEMMON RESIDENTS; AMENDING THE PIMA COUNTY CODE BY AMENDING CHAPTER 13.32 (MT. LEMMON CONSERVATION FEES)

BE IT ORDAINED BY THE BOARD OF SUPERVISORS OF PIMA COUNTY, ARIZONA:

SECTION 1. Pima County Code Chapter 13.32 is amended as follows:

Chapter 13.32 - MT. LEMMON CONSERVATION FEES USER FEE SURCHARGES

13.32.005 – Applicability.

The provisions of this Chapter apply only to Users connected to the Mt. Lemmon Public Sewerage System.

13.32.010 - Definitions.

Unless an alternate definition is provided in this Chapter, the definitions of Chapter 13.20 – Sanitary Sewer Construction, Connection, and Fees and 13.24 – Sanitary Sewer User Fees are incorporated herein by reference. For the purposes of this eChapter:

- A. “Conservation Surcharge” means a monthly surcharge, in addition to the Chapter 13.24 User Fee, charged to Users to provide an incentive for water conservation ~~“Commercial user” means one discharging wastewater from establishments operated for profit including, but not limited to, hotels, motels, restaurants and bars, and establishments operated to serve the public including, but not limited to, governmental offices and health clinics.~~
- B. “Daily Fflow Rrate” means the average of the daily flow rates-volume of each day in a month as measured at the treatment plant discharge. This Ddaily Fflow Rrate shall not exceed twelve thousand five hundred gallons per daythe limit provided in the Forest Service Special Use Permit.
- C. “Operations Surcharge” means a monthly surcharge, in addition to the Chapter 13.24 User Fee, charged to recover a portion of the Public Sewerage System operation and maintenance costs incurred by the County due to the remote location of the public sewerage system ~~“Department” means the county wastewater management department.~~
- D. “Summerhaven” means the unincorporated community located on Mt. Lemmon ~~“Director” means the director of the department.~~

- E. ~~"Residential user" means a user who discharges domestic wastewater from a dwelling unit which includes, but is not limited to, single family dwellings, cabins, apartments, condominiums, townhouses, mobile homes and manufactured homes regardless of whether the mobile home or manufactured home is located on a separate residential lot or within a mobile home or manufactured home park. Schools are included under this definition for the purpose of this chapter.~~
- F. ~~"Sewerage system" means the county wastewater collection, treatment and disposal system operated by the department exclusive of any piping located beyond the outside diameter of mainline or lateral sewers serving more than one property, regardless of whether the piping is within public right of way or within private property.~~
- G. ~~"User" means one who discharges wastewater into the sewerage system.~~
- H. ~~"User fee" means the monthly charge levied on users of the sewerage system.~~
- I. ~~"Wastewater" means liquid discharge resulting from the use of water for domestic, commercial or industrial purposes.~~
- J. ~~"Water meter" means an enclosed, mechanical device approved by the county and a type which measures and records the quantity of water flow through the device so that a reading of the cumulative quantity of flow can be obtained at any time by a person without special equipment or permission.~~
- EK. "Water system" means the source of water and all facilities for collecting, producing, conditioning, storing or distributing water directly for all purposes except plant or crop irrigation, which includes, but is not limited to the following uses: drinking, or production, processing, storing, handling, serving or transportation of food or drink or washing of related utensils, equipment or food-contact surfaces, or bathing, or oral or sanitary hygiene, washing of clothes or dishes.

13.32.015 – Inclusion by Reference

- A. Unless specifically modified in this Chapter, the provisions of Chapter 13.20 – Sanitary Sewer Construction, Connection, and Fees apply to all connections to the SCS within Summerhaven.
- B. Unless specifically modified in this Chapter, the provisions of Chapter 13.24 – Sanitary Sewer User Fees apply to all Wastewater customers within Summerhaven.

13.32.020 - Mt. Lemmon Sewer User Fees Conservation and standby charges.

All persons connected to the SCS in Summerhaven will pay Sewer User Fees as required by Chapter 13.24 except Users will be billed based on monthly billed water volume rather than Winter Quarter Averaging.

- A. ~~A monthly Summerhaven conservation charge is levied on and shall be collected from each Summerhaven user account to which the county is required to provide wastewater~~

~~collection, treatment and disposal services as evidenced by a property connection permit issued by the department or its predecessors. The monthly conservation charge shall be assessed as set forth in the rate and charge schedule, Table 13.32.020. Monthly conservation charges apply only to improved Summerhaven properties discharging wastewater to the county sewerage system.~~

~~B.—A monthly standby charge is levied on and shall be collected from each unimproved property to which the county is required to provide wastewater collection, treatment and disposal services as evidenced by a property connection permit issued by the department or its predecessors. The monthly standby charge shall be assessed as set forth in the rate and charge schedule, Table 13.32.020.~~

13.32.030 – Conservation Surcharge.

In addition to the Sewer User Fee due pursuant to Chapter 13.24, all Users connected to the SCS must pay a monthly Conservation Surcharge. Conservation Surcharges support the unique environment on Mt. Lemmon by encouraging sustainable water use. Conservation Surcharges are listed in 13.32.060 Table 1, Schedules A and B.

13.32.040 – Operations Surcharge.

In addition to the Sewer User Fee due pursuant to Chapter 13.24, all Users connected to the SCS must pay a monthly Operations Surcharge. The surcharge is set forth in the surcharge schedule, Table 13.32.060.

**Table 13.32.020**

**RATE AND CHARGE SCHEDULE 13.32.060 – Conservation and Operations Surcharge Schedule.**

**Schedule A. Residential Conservation Surcharges ~~with low flow devices:~~**

<b>Monthly Metered Water Flow</b>	<b>Conservation Surcharge</b>
0—4 <u>CCFeef</u>	\$0.00
Greater than 4 <u>CCFeef</u>	Total flow minus 4 <u>CCFeef</u> times \$6.00 per <u>CCFeef</u>

**Schedule B. Commercial/Industrial/Multi-family Conservation Surcharges ~~Residential charges without low flow devices:~~**

<b>Monthly Metered Water Flow</b>	<b><u>Monthly Conservation Surcharge</u>Charge</b>
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0— <u>40 CCF</u> 2 eef	\$0.00
Greater than <u>40 CCF</u> 2 eef	Total flow minus <u>40 CCF</u> 2 eef times \$6.00 per <u>CCF</u> eef

**Schedule C. Operations Surcharge**Commercial charges with low-flow devices:

<u>Connection Type</u> <u>Monthly Metered Water Flow</u>	<u>Monthly Operations Surcharge</u> <u>Conservation Charge</u>
<u>Residential</u> 0—40 eef	\$0.00
<u>Commercial, Industrial, or Multi-family</u> Greater than 40 eef	<u>\$0.00</u> Total flow minus 40 eef times \$6.00 per eef

**Schedule D. Commercial charges without low flow devices:**

<u>Monthly Metered Water Flow</u>	<u>Conservation Charge</u>
0—20 eef	\$0.00
Greater than 20 eef	Total flow minus 20 eef times \$6.00 per eef

**Schedule E. Standby charges:**

<u>Zoning Designation</u>	<u>Monthly Standby Charge</u>
Property zoned MLZ	\$1.50
Property zoned other than MLZ	\$16.50

13.32.030 – Amendment and review.

Charges, as set forth in accordance with Section 13.32.020, may be amended by resolution of the board of supervisors. Periodic review of the sufficiency of charges shall be accomplished by the department and the results made known to the board of supervisors for its deliberations.

13.32.0740 - Discharge allocations.

- A. The County's U.S. Forest Service permit to operate the Public Sewerage System limits monthly average flow and daily maximum flow from the system. In the event that wastewater flows to the sewerage system routinely exceed eighty-five percent of the average daily flow rate limit, then a wastewater discharge allocation to each property being or to be served shall be established by the Board of Supervisors. Allocation will be based on each User's water usage during the prior calendar year and will be apportioned ~~shall be established~~ to maintain an average daily flow of ~~wastewater to effluent from the Public Sewerage System~~ sewerage system below ~~twelve thousand five hundred (12,500) gallons per day~~ the limit and to ensure that the maximum disposal rate for treated wastewater will not exceed the permitted daily maximum. ~~Any wastewater discharge allocation established by the board of supervisors shall limit the wastewater discharge of all users on an equitable basis.~~ The County will ~~department shall~~ provide Uusers written notice of any allocations developed thirty (30) days before the date when the allocations take effect.
- B. As part of any discharge allocation determination, the Board of Supervisors shall identify penalty charges for users who exceed this allocation, as well as maximum discharge levels which warrant termination of service.
- C. A violation of any wastewater discharge allocation so established shall be brought to the attention of the Director, who will initiate ~~shall cause~~ an investigation of the alleged violation ~~to commence~~ and will ~~shall~~ institute an enforcement action consistent with the Board of Supervisors' policy, if warranted. Any termination of service will only occur after thirty (30) days' written notice, should violations continue.

13.32.050 – ~~Collection, treatment and disposal charges.~~

- ~~A. Monthly wastewater collection, treatment and disposal bills computed and charged to owners of properties within the community of Summerhaven to which the county has a legal obligation to provide wastewater collection, treatment and disposal service shall comprise either (1) a combination of the user fee as established by Chapter 13.24 of this code, or successor provisions, plus a Summerhaven conservation charge, or (2) a standby charge. Conservation and standby charges shall be as set forth in this chapter.~~
- ~~B. The owner of each property which evidences sewer usage during a monthly billing period shall be assessed a monthly conservation charge, in addition to a user fee as established by Chapter 13.24, as follows:~~
  - ~~1. Residential charges These charges apply to all sewer user classifications except 2M-hotels and motels, 3N-Laundromats, 4G-restaurants with seating and china, and 3L-bars and taverns. Each residential user shall be assessed charges under either Schedule A or Schedule B. To qualify for the charges listed in Schedule A, a residential property shall include the following:
 
    - ~~a. All mixing faucets designed to deliver a maximum of four gallons per minute or equipped with flow control devices that deliver a maximum of four gallons per minute;~~~~

- ~~b. All shower heads of a type that delivers a maximum of three gallons per minute or equipped with flow control devices that deliver a maximum of three gallons per minute;~~
  - ~~e. All water closets designed to use a maximum of four gallons per flush;~~
  - ~~d. Evaporative cooling systems equipped with water recycling or re-use systems;~~
  - ~~e. All water fountains, waterfalls and other decorative, water-using facilities equipped with water recycling or reusable systems;~~
  - ~~f. A yearly inspection by a licensed plumber, documented by a signed, notarized letter or inspection by the wastewater management department, to ensure maintenance of equipment as required. The inspections will be made at the request of the sewer user during the months of June, July and August;~~
  - ~~g. Inspection shall be the residential user's responsibility. Residential users that do not participate or do not obtain yearly inspection shall be assessed the charges listed in Schedule B.~~
- ~~2. Commercial charges: These charges apply to the following sewer user classifications: 2M hotels and motels, 3N Laundromats, 4G restaurants with seating and china, and 3L bars and taverns. Each commercial user shall be assessed charges under either Schedule C or Schedule D. To qualify for the charges listed in Schedule C a commercial property shall include the following:~~
- ~~a. All new hot water recirculating systems including the main supply and return pipes insulated with materials approved by the county building code department pursuant to Section 201, Uniform Plumbing Code, as required in Chapter 14, amended, on water conservation;~~
  - ~~b. All shower heads of a type that delivers a maximum of three gallons per minute;~~
  - ~~e. All water closets designed to use a maximum of four gallons per flush, except all new commercial users shall utilize water closets designed to use a maximum of two quarts per flush. (However, public use water closets shall comply with Section 901 of the Uniform Plumbing Code—Elongated Bowls and Split seats.);~~
  - ~~d. All public use lavatories equipped with either spring loaded faucets that are equipped with metering valves that close automatically after delivering a maximum of one gallon, except public restrooms may be equipped with faucets designed for use by the physically handicapped.~~
    - ~~All mixing faucets shall be designed to deliver a maximum of four gallons per minute or must be equipped with flow control devices that deliver a maximum of four gallons per minute;~~
  - ~~e. All fountains, waterfalls and other decorative, water-using facilities equipped with water recycling or reuse systems;~~

- f. ~~All urinals designed to use a maximum of two gallons per flush. No urinals shall be installed which use a timing device to flush periodically, irrespective of demand;~~
- g. ~~A yearly inspection of by a licensed plumber, documented by a signed, notarized letter, or inspection by the wastewater management department, to ensure maintenance of equipment as required. This inspection will be made at the request of the sewer user during the months of June, July and August;~~
- h. ~~Inspection shall be the commercial user's responsibility. Commercial users that do not participate or do not obtain yearly inspection shall be assessed the charges listed in Schedule D.~~

3. ~~Standby charges: The owner of each unimproved property entitled to sewer service shall be assessed a monthly standby charge for wastewater collection, treatment and disposal capacity reserved to that property until such time as sewage is discharged from the property. Standby charges shall be assessed in accordance with the current Mt. Lemmon Community Plan as approved by the board of supervisors as listed in Schedule E.~~

13.32.060 — Adopted provisions.

The following list of sections of this title, as adopted by the board of supervisors, or such provisions as may succeed the following referenced sections, are incorporated into and made a part of this chapter except as they may conflict with the provisions of this chapter:

13.24.020	Definitions.
13.24.040	Protest and review.
13.24.070	Private wells and water companies.
13.24.080	Taxes added.
13.24.090	Billing.
13.24.100	Deposits.
13.24.110	Use of funds — Operating expenses.
13.24.120	Use of funds — Bonded indebtedness.
13.24.130	Service discontinuance
13.24.140	Payment.

13.24.160	<del>Agreements superseded.</del>
13.24.170	<del>Delinquency penalties.*</del>

SECTION 2. This ordinance is effective 30 days after the date of adoption.

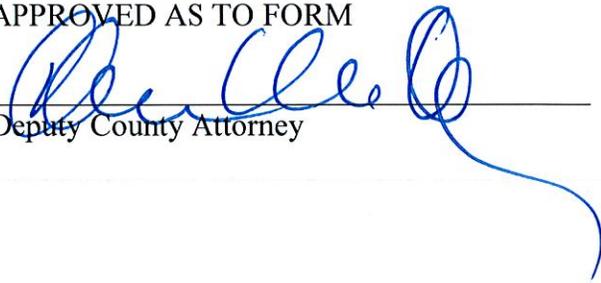
PASSED AND ADOPTED by the Board of Supervisors, Pima County, Arizona, this \_\_\_\_ day of \_\_\_\_\_, 2019.

\_\_\_\_\_  
Chairman, Pima County Board of Supervisors

ATTEST:

\_\_\_\_\_  
Clerk of the Board

APPROVED AS TO FORM

  
\_\_\_\_\_  
Deputy County Attorney



**PIMA COUNTY**

WASTEWATER RECLAMATION  
201 NORTH STONE AVENUE  
TUCSON, ARIZONA 85701-1207

**JACKSON JENKINS**  
DIRECTOR

PH: (520) 724-6500  
FAX: (520) 724-9635

December 5, 2018

**TO:** C.H. Huckelberry, County Administrator

**THRU:** Carmine DeBonis, Jr., Deputy County Administrator - Public Works 

**FROM:** Jackson Jenkins, Director - RWRD 

**SUBJECT:** Mt. Lemmon Water Reclamation Facility Cost of Service, Alternatives, and Operating Surcharge

The following information is in response to your request for additional information in your October 31, 2018, memorandum, *Proposed Code Amendments Regarding Mount Lemmon Sewer Service*. This memorandum provides some historical background on Mt. Lemmon Water Reclamation Facility (WRF) sewer service, current cost of service and revenue recovered, and service options that have been examined over the years as an alternative to this costly service.

**Background**

Until the mid-1950s, sewage disposal was accomplished primarily by private septic tanks until testing demonstrated the leach fields were contaminating Sabino Creek. In 1958, the Pima County Sanitary District No. 1 constructed a wastewater collection and treatment facility which discharged to the Creek. The facility was plagued with problems since conception. By the mid-1970s, the facility had deteriorated and the effluent produced was in violation of the water quality terms and conditions of the National Pollutant Discharge Elimination System (NPDES) Permit. In May 1980, the Arizona Department of Health Services (ADHS) issued a Cease and Desist Order to the County prohibiting the discharge of wastewater effluent to Sabino Creek and a Consent Order requiring Pima County to achieve a goal of zero discharge into the Creek by November 12, 1982.

From 1975 – 1981, various alternatives were proposed and evaluated, including: a communal leach field, communal mounds, on-site total recycling, limited on-site recycling, pond treatment, evaporation systems, connection to the metropolitan conveyance and treatment system, vault and haul, and even complete deletion of wastewater treatment services. Realizing the limitations of sub-surface wastewater disposal capability, and with no acceptable wastewater treatment and disposal facility identified, the Pima County Board of Supervisors created a Citizen Task Force in May 1981 to review and evaluate the options available for Mt. Lemmon wastewater treatment and disposal.

In July 1981, the Pima County Board of Supervisors approved the Task Force’s recommendation of a treatment facility which provided secondary treated effluent to be disposed of via land application (spray irrigation) on United States Forest Service (USFS) lands in the San Pedro watershed. The current Mt. Lemmon WRF began operation in November 1982.

**Facility Overview**

The Mt. Lemmon WRF serves a small portion of the less than one square mile community of Summerhaven which is primarily residential, with a few commercial customers such as restaurants, a general store, and gift shop. The facility operates under a special use permit issued by the USFS which limits the maximum amount of effluent to be pumped and sprayed on the San Pedro side of Mt. Lemmon to 12,500 gallons per day (GPD) and, initially, only 47 connections.

Prompted by fire recovery efforts in 2004, the special use permit was amended to accommodate 30 additional connections for a total limit of 77 connections; the 12,500 MGD effluent limit remained. There are currently only 32 active connections and a number of developed lots that could be served by sewer still rely on private septic systems. Like other service areas in the County, property owners are responsible for constructing adequate sewage conveyance systems to connect to the existing public conveyance system. Due to topographical conditions and physical constraints, making new sewer connection in the Mt. Lemmon WRF sewer service is not economically feasible for many property owners.

The Mt. Lemmon WRF has a design capacity of 15,000 gallons per day (GPD) and an average permitted daily flow limit of 20,000 GPD. However, the USFS special use permit limits the average daily discharge to the spray fields to 12,500 GPD with a peak daily maximum discharge of 17,000 GPD.

Current average daily flow rate is approximately 2,300 GPD, but can range from 500 GPD to 5,000 GPD under normal conditions. Table 1 outlines the average daily influent flows since 2007.

Table 1. Mt. Lemmon WRF Average Daily Influent

Year	Average Daily Influent (GPD)	Percentage of Capacity	Peak Influent Month
2007	2,514	17%	December
2008	3,339	22%	February
2009	2,211	15%	January
2010	3,079	21%	March
2011	1,664	11%	July
2012	2,235	15%	July
2013	2,413	16%	July
2014	1,885	13%	June
2015	2,669	18%	August
2016	2,860	19%	July
2017	3,232	22%	February

The WRF operates well below capacity. Typically, planning for a WRF expansion begins when flows approach 80% of capacity.

**Cost of Service and Revenue Recovered**

The majority of our operations and maintenance (O&M) costs are fixed costs, with the only variable costs being commodity related, such as energy, chemicals, and other utilities. Regardless of whether the Mt. Lemmon community and its visitors produce 3,000 GPD or 12,500 GPD, the Regional Wastewater Reclamation Department (RWRD) must staff and operate the Mt. Lemmon WRF seven days a week, 365 days a year. However, the methodology to recover the costs of providing this service is primarily volumetric, which creates an imbalance between the costs the utility incurs and the revenue recovered.

The Treatment Division O&M adopted budget for Fiscal Year 2018/19 is \$268,318. There are approximately an additional \$30,000 budgeted for Conveyance, Lab services and other centralized Department expenditures.

With a Fiscal Year (FY) 2017/18 budget of \$344,355, the cost of service for the various WRFs determined the treatment cost per million gallons for the Mt. Lemmon WRF was \$341,342. This is significant compared to the costs of service at

other outlying facilities such as Corona de Tucson WRF (\$8,333), Avra Valley WRF (\$3,603), and Green Valley WRF (\$3,022). The difference is even more significant when compared to the regional facilities of Trés Rios WRF (\$1,991), and Agua Nueva WRF (\$1,484). (See attached comparison spreadsheet.)

Not included in the O&M cost total are the billing costs for Mt. Lemmon sewer users, which are the highest of any water provider. Typically, RWRD pays \$1.88 per customer to obtain water volume data for billing purposes. The Mt. Lemmon Water District charges nearly 75% more at \$3.30 per customer for water volume data.

For the Mt. Lemmon WRF, the O&M expenses (cost of service) are not recovered through revenue, which for FY 2017/18 was \$12,274, or 4%. Due to this imbalance for the Mt. Lemmon WRF, the proposed Code amendment provides an ability to add an Operational Surcharge (currently set at \$0) for operation and maintenance of the small, remotely located facility. Implementation of a future surcharge fee will be presented to the Board of Supervisors (BOS) for approval prior to actual enactment.

**Comparison of Residential and Non-Residential Usage**

Table 2 outlines the breakdown of Residential and Non-Residential total usage and revenue received for FY 2017/18.

Table 2. Residential and Non-Residential Usage and Revenue Received

	Number of Customers	CCFs	% of Volume	Strength Factor	Volume Revenue	Total Revenue	% of Revenue
<b>Residential</b>	27	722	50%	1.0	\$2,621	\$6,833	56%
<b>Commercial/Industrial</b>	5	715	50%	1.0/2.03	\$4,661	\$5,441	44%
<b>TOTAL</b>	32	1,437			\$7,282	\$12,274	

As you can see from FY 2017/18 data, the Mt. Lemmon sewer service was utilized equally by residential customers and commercial customers who provide services to both local residents as well as tourists.

**2004 Sewer Revenue Bonds**

During stakeholder meetings on the proposed code amendments an issue was raised regarding the 2004 Sewer Revenue Bonds, which included \$7.2M for improvement and expansion of the Mt. Lemmon WRF and effluent disposal system in the area damaged by the Aspen Fire in June/July 2003.

Since redevelopment of the Summerhaven area did not materialize as expected after the fire due in part to the economic downturn, and because existing capacity is sufficient to meet the needs of the area, an expansion is not necessary at this time.

Of the \$7.2M approved, \$521,055 was expended for the Mt. Lemmon WRF sewer system to include an engineering watershed study, 320' of new 8" sewer main installed along Turkey Run Road, and the design of a flow equalization tank at the facility to handle weekend flows. The approximately \$6.7M remaining was expended on other sewer system improvements including the Roger Road WRF infrastructure and environment, Santa Cruz Interceptor - Prince to Franklin, ROMP Plant Interconnect, Ina Road Denitrification, Marana WRF Expansion, and miscellaneous conveyance rehabilitation projects.

**Recent Capital Improvement Program Projects**

RWRD has spent approximately \$1.6M on Mt. Lemmon projects and facility upgrades since 2010. Additionally, as described in greater detail in the following section, \$153,725 was spent in 2018 to assess the condition of the facility and perform specific rehabilitation work. Overall, the facility is in relatively good shape with plenty of existing capacity. The following table outlines projects at the Mt. Lemmon WRF since FY 2010/11.

Fiscal Year	Project Name	Project Cost
2010/11	EEC Engineering Watershed Study	\$249,463
2010/11	320' of new 8" sewer main installed along Turkey Run Road	\$232,320
2010/11	Upper Conveyance System Rehabilitation	\$276,352
2012/13	Lower Conveyance System Rehabilitation	\$276,310
2012/13	Spray Field Rehabilitation	\$236,052
2015/16	SCADA and Automation Improvements and Soil Stabilization	\$361,771
	<b>TOTAL</b>	<b>\$1,632,268</b>

### **2018 WRF Condition Assessment, Rehabilitation Work Performed, and Future Projects Identified**

Due to the age of the Mt. Lemmon WRF, a thorough condition assessment of the equipment, tanks, and infrastructure was performed. The Mt. Lemmon WRF was shut down from April 30, 2018, to May 4, 2018, and the oxidation ditch, clarifier, sludge holding tank, and effluent disinfection tank were drained, power washed, and inspected. Discharge was vacuumed out, pumped into sludge hauling trucks, and transported to a manhole at the base of Mt. Lemmon for conveyance to the Trés Rios WRF. Tanker trucks remained at the Mt. Lemmon WRF to vault and haul any flow during the rehabilitation period.

Overall, the Mt. Lemmon WRF is in very good condition. Rehabilitation work performed included a recoating of the oxidation ditch, clarifier, and sludge holding tank, the installation of three splash guards, replacement and upsize of the air compressor, and replacement of the aerator in the sludge holding tank. *The total cost of the project was \$153,725*

In addition to the above mentioned rehabilitation work performed during the shutdown, the assessment of the Mt. Lemmon WRF identified the following six projects, which are listed in order of Project Priority based on the Capital Improvement Program Matrix Rating.

1. Install a Supervisory Control and Data Acquisition System to remotely monitor levels and pump functions, assess indications of generator operations and plant alarms, and capture operational data to improve treatment performance. *Estimated Cost: \$270,000*
2. Upgrade the electrical system to ensure compliance with safety codes, minimize loss of utility power in the event of an emergency, and create a safer working environment. *Estimated Cost: \$633,000*
3. Improve the aeration and mixing of the oxidation ditch to separate the nitrification and denitrification treatment phases which will provide a more sustainable, healthy, and energy efficient plant. *Estimated Cost: \$350,000*
4. Stabilize and extend the north rock wall to stop the north face erosion into the plant site and to allow for equipment and other storage. *Estimated Cost: \$80,000*
5. Install an Influent Equalization Basin designed to feed wastewater to the facility in an even, consistent manner ensuring the biology of the oxidation aeration basin remains healthy during peak and low flows. *Estimated Cost: \$850,000*
6. Perform an engineering evaluation for effluent tertiary treatment to increase the quality for the effluent and provide more viable options for disposal or reuse. *Estimated Cost: \$150,000*

The total estimated cost for these six projects is \$2,333,000 and is currently budgeted as a CIP project in Fiscal Year 2023/24.

**Alternative Service Options Explored**

Given the exponentially higher cost of O&M of the Mt. Lemmon WRF and the necessary future expenditures, alternative sewer service options have been explored since 1975. The most recent assessment in 2015 considered the following options:

1. **Permanent Vault and Haul**

Discussion with Arizona Department of Environmental Quality (ADEQ) about transitioning from a WRF to a permanent vault and haul operation was not viewed as an acceptable option by ADEQ. Currently, the 4.14 General Permit for vault and haul is limited to less than 3,000 GPD and the code does not allow for a permanent vault and haul operation with a design flow rate greater than 3,000 GPD.

2. **Installation of Private Septic and Holding Tanks**

Private septic or holding tanks would be installed for currently connected customers, and the existing connections to the wastewater collection system be abandoned. Due to the close proximity to Sabino Creek, it is possible a significant number of residences will not meet the 100-foot setback requirement from a live or intermittent stream and would be unable to install a septic tank. In these cases, an alternative permit would be required to install a holding tank. All customers would need to be converted for this option to be effective.

Additionally, in order for this alternative to be successful, there has to be 100% transition to septic and holding tanks. If it is determined that one or more of the properties are not able to be converted, the existing WRF would have to remain in service. By only converting some of the existing connections over to this alternative, it would be more difficult to operate the WRF due to the decrease in flows and the cost to operate the WRF per connection will further increase due to fewer connections.

Each of these options would include important factors to consider and evaluate, such as the impact to the general public, the impact to the residents, the permitting challenges and abandonment of the WRF and Collection System.

- a. Financial and Economic Consideration – Private vault and haul will be expensive and inconvenient. Future growth of Summerhaven may be decreased due to the inability to meet septic or holding tank requirements.
- b. Permitting Issues – As discussed above, there may be some properties that are too close to the Creek or have no room to install a holding tank, leaving no wastewater disposal option.
- c. Water Rights – Treated wastewater that was once disposed of on Mt. Lemmon will now be hauled off of Mt. Lemmon.
- d. Abandoned WRF and Collection System – Costs could be significant to clean and decommission the the system. Once the WRF and collection system are abandoned, the facility would remain vacant and could become an attractive nuisance. It would also be very difficult to reinstate the infrastructure in the future if ever required.

**Conclusion**

Due to the topography, weather, ecosystem, and remote location, operation and maintenance costs for the Mt. Lemmon WRF are high and disproportionate when compared to other outlying and metropolitan WRFs. Consequently, operation and maintenance of this system is subsidized by sewer user fees from other residents of Pima County. Alternatives to the costly wastewater collection and treatment service for the Summerhaven community have been researched over the past 40 years.

Numerous studies and reports have been produced on this topic but no acceptable solution has been identified. Since the existing facility will likely be operated into the foreseeable future, the ability to impose a future Operational Surcharge

C.H. Huckelberry, County Administrator

**Subject: Mt. Lemmon Water Reclamation Facility Cost of Service, Alternatives, and Proposed Code Amendments**

December 5, 2018

Page 6 of 6

for customers of the Mt. Lemmon WRF has been included in the proposed ordinance as a potential means to recover a portion of the costs.

The Operational Surcharge is initially recommended to be set at \$0.00. Implementation of a future surcharge increase would be presented to the Board of Supervisors for approval prior to action enactment.

The proposed revisions to Pima County Code 13.28, *Mt. Lemmon Sewer Connections* and 13.32, *Mt. Lemmon Conservation Fees*, as outlined in my October 29, 2018 memorandum to you, were presented to Mt. Lemmon residents at their annual homeowner's association (HOA) meeting on October 20, 2018. Additionally, the proposal was approved by a 6-1 vote by the Regional Wastewater Reclamation Advisory Committee at a public meeting on Thursday, November 15, 2018. RWRD expects to present the ordinance revisions for consideration at the January 8, 2019, Board of Supervisors meeting.

Thank you and please let me know if you have any questions.

Attachment

c: Jeff Prevatt, Deputy Director, Treatment Division  
Jaime Rivera, Deputy Director, Conveyance Division  
Eric Wieduwilt, Deputy Director, Technical Services and Engineering Division  
Jennifer Coyle, Special Assistant to the Director, Director's Office  
Richard Miranda, Program Manager, Director's Office  
Mary Allen, Program Coordinator, Technical Services & Engineering  
Ken Weber, WW Treatment Plant Manager, Treatment Division

**Pima County Regional Wastewater Reclamation Department**  
**Facility Cost Data for FY17/18**  
**Actuals FY17/18**

	Unit 1249 Trea Rios	Unit 2019 Actua Nueva	Unit 1246 Avra Valley	Unit 1247 Corona	Unit 1248 Green Valley	Unit 1281 Mt. Lemmon	Unit 1236 Lagoona	Unit 1253 Ramfloh	Unit 1254 Rocer Road	TOTAL	SRF Totals
FY17/18											
Total Influent Flow (MGals)	10,502.27	9,075.64	468.54	132.72	692.86	1,612.6	19,4800	-	-	20,852.53	1,295.13
% of Total	32.230	27.852	1.438	407	2,126	3	60	-	-	64,117	4,034
% Subregional	50.2881%	43.4396%	2.2426%	0.8353%	3.3163%	0.0046%	0.0933%	0.0000%	0.0000%		
			35.6408%	10.0957%	52.7041%	0.8770%	1.4826%				
Facility O&M Costs	\$12,591,340	\$6,278,417	\$1,092,514	\$937,229	\$1,212,908	\$344,385	\$34,997	\$51,588	\$8,947	\$22,552,295	
Sub-Regional Unit 1220	\$0	\$0	\$224,443	\$93,578	\$331,898	\$485	\$9,336	\$0	\$0	\$628,740	
Regional Biosolids Costs	\$985,895	\$785,584	\$39,523	\$11,185	\$58,445	\$85	\$1,644	\$0	\$0	\$1,782,362	
Industrial Treatment Unit 1211	\$539,292	\$465,364	\$59,523	\$9,802	\$35,512	\$2	\$969	\$0	\$0	\$1,070,823	
Laboratory Services Unit 1214	\$1,348,202	\$1,163,325	\$50,055	\$7,012	\$88,812	\$130	\$2,488	\$0	\$0	\$2,678,046	
Regulatory Permit & Compliance Unit 1228	\$987,100	\$749,215	\$38,684	\$10,858	\$57,205	\$84	\$1,609	\$0	\$0	\$1,724,958	
Maintenance Unit 1232	\$2,988,817	\$2,585,259	\$121,110	\$21,515	\$195,947	\$288	\$5,509	\$0	\$0	\$5,805,573	
Inventory Unit 1256	\$293,863	\$253,944	\$11,110	\$8,714	\$19,367	\$28	\$545	\$0	\$0	\$494,581	
SCADA Unit 1232	\$539,521	\$463,639	\$23,936	\$8,714	\$35,486	\$42	\$986	\$0	\$0	\$1,087,319	
Deputy Director Unit 1195	\$986,126	\$765,755	\$39,533	\$11,186	\$59,850	\$85	\$1,844	\$0	\$0	\$1,769,802	
<b>TOTAL</b>	<b>\$20,913,958</b>	<b>\$13,470,489</b>	<b>\$1,688,258</b>	<b>\$1,165,981</b>	<b>\$2,993,870</b>	<b>\$346,843</b>	<b>\$56,778</b>	<b>\$51,588</b>	<b>\$9,947</b>	<b>\$39,738,509</b>	
Unit Costs (\$/MGals)	\$1,891	\$1,484	\$3,603	\$8,333	\$3,022	\$214,342	\$3,007	\$1,902	\$1,902	\$1,902	\$920
Unit Costs (\$/Acres-R)	\$648	\$484	\$1,174	\$2,715	\$965	\$111,627	\$898	\$620	\$620	\$620	\$260

Convenience Redder chn at 30M \$ 1,483,770  
 Vector chn at 63M \$ 2,384,444  
 \$ 3,868,214

Annual Cost Per Customer 32 customers  
 O&M Charges \$ 10,801.33  
 w/ Convenience \$ 10,820.88

MA Lemmon Summary for FY 2017-18

Class Code	Sum of CCFs	Sum of Revenue	% of Revenue	% of Volume	# of Customers
Residential	722.03	\$ 2,620.95	50%	50%	27
Commercial	181.9	\$ 587.89	11%	6%	3
Restaurant	552.84	\$ 4,673.32	39%	56%	2
<b>Total</b>	<b>1456.87</b>	<b>\$ 7,282.16</b>	<b>100%</b>	<b>100%</b>	<b>32</b>

Annual Revenue Per Customer \$ 227.57  
 Include the \$13.00 service fee totals another \$4,892 per year in revenue

For most of FY 17-18, there were 31 active sewer user accounts  
 A residential account was activated in April 2018 to bring # of active accounts to 32  
 The Cooke Cabin location was under an individual name and being billed under the residential class code until May 2018.  
 In May 2018, the residential account was closed out and a new account opened  
 under Cooke Cabin name and an SE (restaurant) class code



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# MEMORANDUM

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Date: October 31, 2018

To: Carmine DeBonis Jr.  
Deputy County Administrator  
for Public Works

From: C.H. Huckelberry  
County Administrator 

Jackson Jenkins, Director  
Regional Wastewater Reclamation

Re: **Proposed Code Amendments Regarding Mount Lemmon Sewer Service**

In addition to the Code amendments outlined in your October 29, 2018 memorandum, it would be appropriate to itemize the cost incurred by the Wastewater utility in providing wastewater services on Mount Lemmon for the budget. As I recall, these costs are extraordinary and disproportionate to other sewer users, whether residential or commercial. In the past, we have explored a number of alternatives to this costly service. Also, please summarize the alternatives that have been examined in the past.

I believe it is important the Board of Supervisors to understand the significant cost of providing sewer service on Mount Lemmon and the fees do not recover even a small portion of the cost of service.

CHH/anc

Attachment



**WASTEWATER RECLAMATION**  
201 NORTH STONE AVENUE  
TUCSON, ARIZONA 85701-1207

**JACKSON JENKINS**  
DIRECTOR

PH: (520) 724-6500  
FAX: (520) 724-9635

October 29, 2018

**TO:** C. H. Huckelberry, County Administrator  
**THRU:** Carmine DeBonis, Jr., Deputy Pima County Administrator for Public Works   
**FROM:** Jackson Jenkins, Director, RWRD   
**SUBJECT:** Proposed Revision of Pima County Code Regarding Mt. Lemmon and Chapter Pertaining to New Development

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The Regional Wastewater Reclamation Department (RWRD) is proposing revisions to the Pima County Code (PPC) for Mt. Lemmon specific Chapters 13.28 - Mt. Lemmon Sewer Connections and 13.32 - Mt. Lemmon Conservation Fees. The Chapters that govern Mt. Lemmon sewer connections and conservation fees were established in the 1980s with the construction of the Mt. Lemmon Water Reclamation Facility in Summerhaven. The PCC was updated in 2004 when the County signed a new contract with the United States Forest Service (USFS). The current revisions being proposed will remove the historic elements and references that once served to reestablish the devastated community after the 2003 Aspen Fire and bring the area into alignment with the remainder of the County served by RWRD.

The proposed ordinance revisions were presented to the Regional Wastewater Reclamation Advisory Committee at their September 27, 2018 meeting and staff held a Mt. Lemmon stakeholders meeting at the Mt. Lemmon Community Center on Saturday, October 20, 2018. RWRD anticipates presenting the Mt. Lemmon proposed revisions to the Board of Supervisor in early 2019.

Major proposed revisions to Chapters 13.28 and 13.32 are as follows and the blacklined version is in Attachment A:

- Remove archaic narratives specific to Mt. Lemmon conservation related construction and add references to current County standard wastewater ordinance requirements in 13.20 – Sanitary Sewer Construction, Connections, and Fees to allow for consistency throughout the regional system.
- Maintain emphasis on water conservation and clarify the increase in the USFS authorized connections which the limit is now 77.
- Removal of low flow fixture administrative requirements now considered construction minimums and annual inspections for assuring compliance.
- Add an operational surcharge (currently set to \$0) for operation and maintenance of the small remotely located system.
- Sunset the Standby Surcharge to reserve connections to the sewer system.

At a future date, following 13.28 and 13.32 updates, the Department will plan to propose similar updates to the PCC for Chapters 13.12 - Preliminary Sewer Layout Requirements, 13.16 - Design Standards for Public Sewerage, and 13.20 – Construction, Connection, and Fees which have not been thoroughly reviewed for clarity, functionality, and consistency since the early 1980s.

We will continue to keep you updated as we move forward to bring these ordinance revisions to the Board of Supervisors for consideration.

Attachment



**PIMA COUNTY**

**WASTEWATER RECLAMATION**

**Chapter 13.28 – Mt. Lemmon  
Sewer Connections, and  
Chapter 13.32 – Mt. Lemmon  
Conservation Fees**

**Attachment A**

Chapter 13.28 - MT. LEMMON SEWER CONNECTIONS

13.28.005 - Applicability Purpose of 2004 amendments.

The provisions of this Chapter apply only to seventy-seven (77) Users authorized by the United States Forest Service Special Use Permit, as amended, to connect to the Public Sewage Conveyance System. The Mt. Lemmon Sewerage System serves forty-seven properties identified in a United States Forest Service Special Use Permit. Based on the 2003 reported flows, the sewerage system is capable of treating wastewater from up to approximately thirty additional connections without exceeding discharge limits imposed by the Forest Service, the United States Environmental Protection Agency, and ADEQ. In order to mitigate effects to the Mt. Lemmon watershed of the continued use of a large number of on-site sewage treatment systems within the Mt. Lemmon communities, the Board of Supervisors adopts changes to the Mt. Lemmon Sewer Connections Ordinance to enumerate the procedure by which the Department may connect Mt. Lemmon property owners previously not served by the sewerage system.

13.28.010 - Definitions.

Unless an alternate definition is provided in this Chapter, the definitions of Chapter 13.20 – Sanitary Sewer Construction, Connection, and Fees and 13.24 – Sanitary Sewer User Fees are incorporated herein by reference. As used in this chapter:

A. “Standby Status” means a priority issued to certain Properties with existing, permitted connections to the SCS but from which there are no current discharges because there are no improvements on the connected properties. If improvements are constructed on a Property while it is on Standby Status, the Owner may begin discharging following establishment of an active User Fee account. “ADEQ” means the State of Arizona Department of Environmental Quality.

B. “Summerhaven” means the unincorporated community located on Mt. Lemmon. “Commercial user” means one discharging wastewater from establishments operated for profit including, but not limited to, hotels, motels, restaurants and bars, and establishments operated to serve the public including, but not limited to, governmental offices and health clinics.

C. “Department” means the county wastewater management department.

D. “Director” means the director of the department.

E. “Residential user” means a user who discharges domestic wastewater from a dwelling unit which includes, but is not limited to, single-family dwellings, cabins, apartments, condominiums, townhouses, mobile homes and manufactured homes regardless of whether the mobile home or manufactured home is located on a separate

~~residential lot or within a mobile or manufactured home park. Schools are included under this definition for the purpose of this code.~~

~~F. "Sewerage system" means the county wastewater collection, Mt. Lemmon Wastewater Treatment Facility and disposal system operated by the department exclusive of any piping located beyond the outside diameter of mainline or lateral sewers serving more than one property, regardless of whether the piping is within public right of way or within private property.~~

~~G. "USFS" means the United States Forest Service.~~

~~H. "User" means one who discharges wastewater into the public sewerage system.~~

~~I. "Wastewater" means liquid discharge resulting from the use of water for domestic, commercial or industrial purposes.~~

~~J. "Water meter" means an enclosed, mechanical device approved by the county and of a type which measures and records the quantity of water flow through the device so that a reading of the cumulative quantity of flow can be obtained at any time by any person without special equipment or permission.~~

~~K. "Water system" means the source of water and all facilities for collection, producing, conditioning, storing or distributing water directly for all purposes except plant or crop irrigation, which includes, but is not limited to, the following uses: drinking or production, processing, storing, handling, serving or transportation of food or drink or washing of related utensils, equipment or food contact surfaces or bathing, oral or sanitary hygiene, washing of clothes or dishes.~~

13.28.020 - Inclusion by Reference ~~Moratorium pending construction.~~

A. Unless specifically modified in this Chapter, the provisions of Chapter 13.20 – Sanitary Sewer Construction, Connection, and Fees apply to all connections to the SCS within Summerhaven.

B. Unless specifically modified in this Chapter, the provisions of Chapter 13.24 – Sanitary Sewer User Fees apply to all Wastewater customers within Summerhaven.

~~A moratorium on new connections to the public sewerage system is in effect except that, upon receipt of amendments to the USFS special use permit and applicable ADEQ permits regulating treatment discharge from the sewerage facility, a limited number of property owners to establish new sanitary sewer connections to the sewerage system may be established as provided in § 13.28.055 through 13.28.095.~~

13.28.030 - Approval to Connect ~~Requirements – Vacant properties.~~

In addition to the provisions of Chapter 13.20, aAll of the following requirements must be met by an Applicant before Approval of a Private Connection to the Summerhaven SCS ~~any connection of properties, vacant at the time of enactment of the ordinance codified in this chapter, can be made to the sewerage system:~~

A. There must be an unallocated connection remaining of the maximum seventy-seven (77) connections authorized by the U.S. Forest Service permit. Private Connection submittals will be reviewed in order of date of submittal.~~The property must be entitled to the county sewer service as evidenced by a connection permit or payment of sewer bills over a period of three years or more.~~

B. All property improvements must incorporate industry-recognized, low-flow toilets, shower heads, and faucet aerators.~~The property shall have installed a water meter in the water system serving the premises.~~

C. All property improvements must be designed to incorporate industry-recognized low flow toilets, shower heads and faucet aerators so as to achieve a significant reduction in the flow of wastewater to the sewerage system from that expected of like improvements designed without a concern for reduction of flow in wastewater. The design shall identify all devices proposed to reduce wastewater flow and the department, and other departments of the county as may have separate jurisdiction, shall approve their use before the connection to the new sewerage system is initiated.

13.28.040 - Properties on Standby Status~~Requirements~~ — Improved properties.

Properties on Standby Status as of the effective date of this ordinance retain Standby Status only through June 30, 2023. As of July 1, 2023, Standby Status will be eliminated. Any property on Standby Status which has not established a User account as of that date will forfeit any existing rights resulting from Standby Status and must reapply for permission to connect to the SCS as required by section 13.28.030. All of the following requirements must be met by improved properties as a condition of service by the sewerage system:

A. Only those properties to which the county is required to provide wastewater collection, treatment and disposal services as evidenced by a connection permit shall be permitted to connect to the sewerage system.

B. All properties shall have installed a water meter in the water system serving the premises.

C. Should the owner of title to a property, or his authorized agent or contractor, perform major plumbing modifications or rehabilitations, then they shall incorporate industry-recognized low flow toilets, shower heads and faucet aerators so as to achieve a significant reduction in the flow of wastewater to the sewerage system. The department,

~~and other departments of the county as may have separate jurisdiction, shall approve the use of all devices proposed to reduce wastewater flow before such modification or rehabilitations are initiated.~~

~~13.28.050 Adopted provisions.~~

~~The following list of sections of this title, as adopted and amended by the board of supervisors, or such ordinance(s) as may succeed the following referenced sections, shall be incorporated in this chapter and made a part hereof, except as may conflict with the provisions of this chapter:~~

~~13.20.020 Definitions.~~

~~13.20.025 Access to the Public Sanitary Sewer Conveyance System.~~

~~13.20.030 Construction of public sanitary sewerage facilities.~~

~~13.20.035 Private sanitary sewerage conveyance system.~~

~~13.20.040 Connection to public sanitary sewerage system.~~

~~13.20.045 Connection fees.~~

~~13.20.050 Credits and rebates.~~

~~Requirements of Chapters 13.24 and 13.32 shall also be incorporated into this chapter.~~

~~13.28.055 Request for sewer service connection.~~

~~Beginning January 17, 2005, an owner of property not connected to the sewerage system which otherwise meets the requirements for establishing connection to the sewerage system under this chapter may file with the Department a request for sewer service connection, together with a processing fee of one hundred dollars. The processing fee is non-refundable but may be applied to the sewer service connection fee if the property owner establishes service. The Department shall record the date and time that applications are received by the Department.~~

~~13.28.060 Comfort station connection.~~

~~Upon the Department's receipt of amendments to the USFS special use permit and applicable ADEQ permits regulating treatment discharge from the sewerage facility authorizing an increase to the number of properties to which the Department may offer~~

sewer service through the sewerage system, the Department shall connect the comfort station to the sewerage system if sufficient treatment capacity exists.

~~13.28.065—Number of additional permitted sewer connections.~~

~~Upon the Department's receipt of amendments to the USFS special use permit and applicable ADEQ permits regulating treatment discharge from the sewerage facility authorizing an increase to the number of properties to which the Department may offer sewer service through the sewerage system, the Department shall use good engineering practices to determine the number of connections possible under the amended permits that may be made to the sewerage system in addition to the previously authorized connections and the comfort station.~~

~~13.28.070—Notification of capacity.~~

~~The Department shall notify in the order the requests for sewer service connection were received a corresponding number of requesting property owners of the Department's preliminary approval to establish a new sewer service connection. In the event of a material tie, the Department shall determine by drawing the property owner to whom to give preliminary approval. The Department shall give the property owners five days notice of the time and place of the determination by drawing. The Department shall not notify any property owner of the Department's preliminary approval to connect to the sewerage system if such connection would violate sewerage system permitting conditions and shall not allow any property owner to connect to the sewerage system if such connection would violate sewerage system permitting conditions.~~

~~13.28.075—Construction standards and review; submission of as-built plans.~~

~~Each property owner who receives from the Department preliminary approval to establish a private connection to the sewerage system shall submit plans to the Department showing the method and location of the proposed private sewer service connection and any required public sewer improvements, which shall be designed in accord with applicable building and plumbing codes and the building and design requirements of § 13.20.035. The Department shall review the plans and, within twenty days, take one of three actions: approve them or notify the property owner in writing of the denial of the submitted plans or modifications necessary for approval. In no case will the Department approve plans until it receives amendments to the USFS special use permit and applicable ADEQ permits regulating treatment discharge from the sewerage facility authorizing an increase to the number of properties to which the Department may offer sewer service through the sewerage system. Upon completion of construction, the property owner must submit two copies of the as-built plans for the private sewer service connection and public sewer improvements.~~

~~13.28.080—Connection fee required.~~

~~Once plans for a proposed private sewer service connection have been approved by the Department, the Department shall calculate the sewer connection fees in accord with § 13.20.045 and issue a connection permit. A payment made pursuant to § 13.28.060 shall be a credit against the calculated sewer connection fee. No property owner may discharge into the sewerage system without first paying the applicable sewer service connection fee.~~

~~13.28.085 — Property fronting existing public sanitary sewer system.~~

~~Each property owner whose property fronts an existing sanitary sewer line who receives the Department's preliminary approval to connect and whose connection plans have been approved shall receive the Department's final approval if, within one year of the date the Department notified the property owner of the preliminary approval to establish a sewer service connection, the property owner constructs the private sewer service connection, establishes the physical connection, obtains upon inspection Departmental approval of the connection, and activates sewer service. The Department's preliminary approval and the issued connection permit shall automatically expire if the property owner fails to complete these steps within one year of the date the Department issued its preliminary approval, except that this deadline shall be extended once by twenty days for any property owner who requests activation of sewer service within thirty days of the expiration of this deadline. If the property owner fails to obtain the Department's final approval, the Department shall then refund the reimbursable portion of the property owner's connection fees under § 13.20.045(K).~~

~~13.28.090 — Property not fronting existing public sanitary sewer system.~~

~~Each property owner, or each of a group of property owners acting jointly, whose property does not front an existing sanitary sewer line who receives the Department's preliminary approval to connect and whose connection plans have been approved shall receive the Department's final approval if, within one year of the date the Department notified the property owner(s) of the preliminary approval to establish a sewer service connection, the property owner(s) constructs the private sewer service connection, constructs in accordance with Department standards any required public sewer necessary to achieve connection to the existing mainline public sewer, establishes the physical connection, obtains upon inspection Departmental approval of the connection and any public sewer line construction, and activates sewer service. The Department's preliminary approval and the issued connection permit shall automatically expire if the property owner or owners fail to complete these steps within one year of the date the Department issued its preliminary approval, except that this deadline shall be extended once by twenty days for any property owner or owners who request activation of sewer service within thirty days of the expiration of this deadline. If the property owner fails to obtain the Department's final approval, the Department shall then refund the reimbursable portion of the property owner's or owners' connection fees collected pursuant to § 13.20.045(K).~~

~~13.28.095 — Evaluation of capacity.~~

~~If the Department determines at any time that sufficient capacity exists to accommodate an additional connection to the sewerage system with the sewer age system effluent discharge limits, it shall follow the procedures established in this chapter to so increase the number of properties connected to the sewerage system.~~

Chapter 13.32 - MT. LEMMON CONSERVATION FEES

13.32.005 - Applicability.

The provisions of this Chapter apply only to Users connected to the Mt. Lemmon Public Sewerage System.

13.32.010 - Definitions.

Unless an alternate definition is provided in this Chapter, the definitions of Chapter 13.20 - Sanitary Sewer Construction, Connection, and Fees and 13.24 - Sanitary Sewer User Fees are incorporated herein by reference. For the purposes of this eChapter:

- A. "Conservation Surcharge" means a monthly surcharge, in addition to the Chapter 13.24 User Fee, charged to Users to provide an incentive for water conservation ~~"Commercial user" means one discharging wastewater from establishments operated for profit including, but not limited to, hotels, motels, restaurants and bars, and establishments operated to serve the public including, but not limited to, governmental offices and health clinics.~~
- B. "Daily flow rate" means the average of the daily flow rates of each day in a month as measured at the treatment plant. This daily flow rate shall not exceed twelve thousand five hundred (12,500) gallons per day.
- C. "Operations Surcharge" means a monthly surcharge, in addition to the Chapter 13.24 User Fee, charged to recover a portion of the Public Sewerage System operation and maintenance costs incurred by the County due to the remote location of the public sewerage system ~~"Department" means the county wastewater management department.~~
- D. "Summerhaven" means the unincorporated community located on Mt. Lemmon ~~"Director" means the director of the department.~~
- E. ~~"Residential user" means a user who discharges domestic wastewater from a dwelling unit which includes, but is not limited to, single family dwellings, cabins, apartments, condominiums, townhouses, mobile homes and manufactured homes regardless of whether the mobile home or manufactured home is located on a separate residential lot or within a mobile home or manufactured home park. Schools are included under this definition for the purpose of this chapter.~~
- F. ~~"Sewerage system" means the county wastewater collection, treatment and disposal system operated by the department exclusive of any piping located beyond the outside diameter of mainline or lateral sewers serving more than one property, regardless of whether the piping is within public right of way or within private property.~~
- G. ~~"User" means one who discharges wastewater into the sewerage system.~~
- H. ~~"User fee" means the monthly charge levied on users of the sewerage system.~~

- I. ~~"Wastewater" means liquid discharge resulting from the use of water for domestic, commercial or industrial purposes.~~
- J. ~~"Water meter" means an enclosed, mechanical device approved by the county and a type which measures and records the quantity of water flow through the device so that a reading of the cumulative quantity of flow can be obtained at any time by a person without special equipment or permission.~~
- EK. "Water system" means the source of water and all facilities for collecting, producing, conditioning, storing or distributing water directly for all purposes except plant or crop irrigation, which includes, but is not limited to the following uses: drinking, or production, processing, storing, handling, serving or transportation of food or drink or washing of related utensils, equipment or food-contact surfaces, or bathing, or oral or sanitary hygiene, washing of clothes or dishes.

13.32.015 – Inclusion by Reference

- A. Unless specifically modified in this Chapter, the provisions of Chapter 13.20 – Sanitary Sewer Construction, Connection, and Fees apply to all connections to the SCS within Summerhaven.
- B. Unless specifically modified in this Chapter, the provisions of Chapter 13.24 – Sanitary Sewer User Fees apply to all Wastewater customers within Summerhaven.

13.32.020 - Mt. Lemmon Sewer User Fees ~~Conservation and standby charges.~~

All persons connected to the SCS in Summerhaven will pay Sewer User Fees as required by Chapter 13.24 except Users will be billed based on monthly billed water volume rather than Winter Quarter Averaging.

- A. ~~A monthly Summerhaven conservation charge is levied on and shall be collected from each Summerhaven user account to which the county is required to provide wastewater collection, treatment and disposal services as evidenced by a property connection permit issued by the department or its predecessors. The monthly conservation charge shall be assessed as set forth in the rate and charge schedule, Table 13.32.020. Monthly conservation charges apply only to improved Summerhaven properties discharging wastewater to the county sewerage system.~~
- B. ~~A monthly standby charge is levied on and shall be collected from each unimproved property to which the county is required to provide wastewater collection, treatment and disposal services as evidenced by a property connection permit issued by the department or its predecessors. The monthly standby charge shall be assessed as set forth in the rate and charge schedule, Table 13.32.020.~~

13.32.030 – Conservation Fee.

In addition to the Sewer User Fee due pursuant to Chapter 13.24, all Users connected to the SCS must pay a monthly Conservation Surcharge. Conservation Surcharges support the unique environment on Mt. Lemmon by encouraging sustainable water use. Conservation Surcharges are listed in 13.32.060 Table 1, Schedules A and B.

13.32.040 – Operations Surcharge.

In addition to the Sewer User Fee due pursuant to Chapter 13.24, all Users connected to the SCS must pay a monthly Operations Surcharge. The surcharge is set forth in the surcharge schedule, Table 13.32.060.

**Table 13.32.020**

**RATE AND CHARGE SCHEDULE 13.32.060 – Conservation and Operations Surcharge Schedule.**

<u>Schedule A. Residential Conservation Surcharges with low flow devices:</u>	
<u>Monthly Metered Water Flow</u>	<u>Conservation Charge</u>
0—4 <u>CCFeef</u>	\$0.00
Greater than 4 <u>CCFeef</u>	Total flow minus 4 <u>CCFeef</u> times \$6.00 per <u>CCFeef</u>
<u>Schedule B. Commercial/Industrial/Multi-family Conservation Surcharges Residential charges without low flow devices:</u>	
<u>Monthly Metered Water Flow</u>	<u>Monthly Conservation Surcharge Charge</u>
0—40 <u>CCF2-eef</u>	\$0.00
Greater than 40 <u>CCF2-eef</u>	Total flow minus 40 <u>CCF2-eef</u> times \$6.00 per <u>CCFeef</u>
<u>Schedule C. Operations Surcharge Commercial charges with low flow devices.</u>	
<u>Connection Type Monthly Metered Water Flow</u>	<u>Monthly Operations Surcharge Conservation Charge</u>
<u>Residential</u> 0—40 eef	\$0.00
<u>Commercial, Industrial, or Multi-family</u> Greater	<u>\$0.00</u> Total flow minus 40 eef times \$6.00 per

than 40 ccf	ccf
<b>Schedule D. Commercial charges without low flow devices:</b>	
<b>Monthly Metered Water Flow</b>	<b>Conservation Charge</b>
0—20 ccf	\$0.00
Greater than 20 ccf	Total flow minus 20 ccf times \$6.00 per ccf
<b>Schedule E. Standby charges:</b>	
<b>Zoning Designation</b>	<b>Monthly Standby Charge</b>
Property zoned MLZ	\$1.50
Property zoned other than MLZ	\$16.50

13.32.030—Amendment and review.

Charges, as set forth in accordance with Section 13.32.020, may be amended by resolution of the board of supervisors. Periodic review of the sufficiency of charges shall be accomplished by the department and the results made known to the board of supervisors for its deliberations.

13.32.0740 - Discharge allocations.

- A. The County's U.S. Forest Service permit to operate the Public Sewerage System limits monthly average flow into the system to twelve thousand five hundred (12,500) gallons per day with a seventeen thousand (17,000) gallon per day maximum. In the event that wastewater flows to the sewerage system routinely exceed eighty-five percent of the daily flow rate of twelve thousand five hundred (12,500) gallons per day, then a wastewater discharge allocation to each property being or to be served shall be established by the Bboard of Ssupervisors. Allocation will be based on each User's water usage during the prior calendar year and will be apportioned shall be established to maintain an average daily flow of wastewater to the Public Sewerage System sewerage system below twelve thousand five hundred (12,500) gallons per day and to ensure that the maximum disposal rate for treated wastewater will not exceed seventeen thousand (17,000) gallons per day. Any wastewater discharge allocation established by the board of supervisors shall limit the wastewater discharge of all users on an equitable basis. The County willdepartment shall provide Users written notice of any allocations developed thirty (30) days before the date when the allocations take effect.

- B. As part of any discharge allocation determination, the ~~B~~board of ~~S~~upervisors shall identify penalty charges for users who exceed this allocation, as well as maximum discharge levels which warrant termination of service.
- C. A violation of any wastewater discharge allocation so established shall be brought to the attention of the ~~D~~irector, who ~~will initiate~~shall cause an investigation of the alleged violation to ~~commence~~ and ~~will~~shall institute enforcement action consistent with the ~~B~~oard of ~~S~~upervisors' policy, if warranted. Any termination of service will only occur after thirty (30) days' written notice, should violations continue.

~~13.32.050 – Collection, treatment and disposal charges.~~

- ~~A. Monthly wastewater collection, treatment and disposal bills computed and charged to owners of properties within the community of Summerhaven to which the county has a legal obligation to provide wastewater collection, treatment and disposal service shall comprise either (1) a combination of the user fee as established by Chapter 13.24 of this code, or successor provisions, plus a Summerhaven conservation charge, or (2) a standby charge. Conservation and standby charges shall be as set forth in this chapter.~~
- ~~B. The owner of each property which evidences sewer usage during a monthly billing period shall be assessed a monthly conservation charge, in addition to a user fee as established by Chapter 13.24, as follows:~~
  - ~~1. Residential charges These charges apply to all sewer user classifications except 2M-hotels and motels, 3N-Laundromats, 4G-restaurants with seating and china, and 3L-bars and taverns. Each residential user shall be assessed charges under either Schedule A or Schedule B. To qualify for the charges listed in Schedule A, a residential property shall include the following:~~
    - ~~a. All mixing faucets designed to deliver a maximum of four gallons per minute or equipped with flow control devices that deliver a maximum of four gallons per minute;~~
    - ~~b. All shower heads of a type that delivers a maximum of three gallons per minute or equipped with flow control devices that deliver a maximum of three gallons per minute;~~
    - ~~c. All water closets designed to use a maximum of four gallons per flush;~~
    - ~~d. Evaporative cooling systems equipped with water recycling or re-use systems;~~
    - ~~e. All water fountains, waterfalls and other decorative, water using facilities equipped with water recycling or reusable systems;~~
    - ~~f. A yearly inspection by a licensed plumber, documented by a signed, notarized letter or inspection by the wastewater management department, to ensure maintenance of equipment as required. The inspections will be made at the request of the sewer user during the months of June, July and August;~~

- ~~g. Inspection shall be the residential user's responsibility. Residential users that do not participate or do not obtain yearly inspection shall be assessed the charges listed in Schedule B.~~
- ~~2. Commercial charges: These charges apply to the following sewer user classifications: 2M hotels and motels, 3N Laundromats, 4G restaurants with seating and china, and 3L bars and taverns. Each commercial user shall be assessed charges under either Schedule C or Schedule D. To qualify for the charges listed in Schedule C a commercial property shall include the following:~~
- ~~a. All new hot water recirculating systems including the main supply and return pipes insulated with materials approved by the county building code department pursuant to Section 201, Uniform Plumbing Code, as required in Chapter 14, amended, on water conservation;~~
  - ~~b. All shower heads of a type that delivers a maximum of three gallons per minute;~~
  - ~~c. All water closets designed to use a maximum of four gallons per flush, except all new commercial users shall utilize water closets designed to use a maximum of two quarts per flush. (However, public use water closets shall comply with Section 901 of the Uniform Plumbing Code Elongated Bowls and Split seats.);~~
  - ~~d. All public use lavatories equipped with either spring loaded faucets that are equipped with metering valves that close automatically after delivering a maximum of one gallon, except public restrooms may be equipped with faucets designed for use by the physically handicapped.~~
    - ~~All mixing faucets shall be designed to deliver a maximum of four gallons per minute or must be equipped with flow control devices that deliver a maximum of four gallons per minute;~~
  - ~~e. All fountains, waterfalls and other decorative, water using facilities equipped with water recycling or reuse systems;~~
  - ~~f. All urinals designed to use a maximum of two gallons per flush. No urinals shall be installed which use a timing device to flush periodically, irrespective of demand;~~
  - ~~g. A yearly inspection of by a licensed plumber, documented by a signed, notarized letter, or inspection by the wastewater management department, to ensure maintenance of equipment as required. This inspection will be made at the request of the sewer user during the months of June, July and August;~~
  - ~~h. Inspection shall be the commercial user's responsibility. Commercial users that do not participate or do not obtain yearly inspection shall be assessed the charges listed in Schedule D.~~
- ~~3. Standby charges: The owner of each unimproved property entitled to sewer service shall be assessed a monthly standby charge for wastewater collection, treatment and disposal capacity reserved to that property until such time as sewage is discharged from the~~

~~property. Standby charges shall be assessed in accordance with the current Mt. Lemmon Community Plan as approved by the board of supervisors as listed in Schedule E.~~

~~13.32.060 Adopted provisions:~~

~~The following list of sections of this title, as adopted by the board of supervisors, or such provisions as may succeed the following referenced sections, are incorporated into and made a part of this chapter except as they may conflict with the provisions of this chapter:~~

<del>13.24.020</del>	<del>Definitions.</del>
<del>13.24.040</del>	<del>Protest and review.</del>
<del>13.24.070</del>	<del>Private wells and water companies.</del>
<del>13.24.080</del>	<del>Taxes added.</del>
<del>13.24.090</del>	<del>Billing.</del>
<del>13.24.100</del>	<del>Deposits.</del>
<del>13.24.110</del>	<del>Use of funds — Operating expenses.</del>
<del>13.24.120</del>	<del>Use of funds — Bonded indebtedness.</del>
<del>13.24.130</del>	<del>Service discontinuance</del>
<del>13.24.140</del>	<del>Payment.</del>
<del>13.24.160</del>	<del>Agreements superseded.</del>
<del>13.24.170</del>	<del>Delinquency penalties.*</del>



**PIMA COUNTY**  
WASTEWATER RECLAMATION

REGIONAL WASTEWATER RECLAMATION ADVISORY COMMITTEE  
201 NORTH STONE AVENUE  
TUCSON, ARIZONA 85701-1207

November 21, 2018

The Honorable Chair and Members  
Pima County Board of Supervisors  
130 West Congress Street, 11<sup>th</sup> Floor  
Tucson, Arizona 85701

**RE: Proposed Revision of the Pima County Code Regarding Mt. Lemmon**

Dear Honorable Chair and Members:

The Pima County Regional Wastewater Reclamation Advisory Committee (RWRAC) was established by the Pima County Board of Supervisors, in part, to act as an official advisory body on the Regional Wastewater Reclamation Department's proposals for significant changes regulating RWRD's business processes. Following a Mt. Lemmon Stakeholder Meeting on October 20, 2018, the RWRAC sponsored a public meeting at 6:00 p.m. on November 15, 2018. The proposal to modify Title 13 – Public Services, Division II, Sewers, Chapter 13.28 – Mt. Lemmon Sewer Connections and Chapter 13.32 – Mt. Lemmon Conservation Fees were presented.

There were 11 County constituents in attendance at the public meeting and four (4) individuals addressed the RWRAC during Public Call to the Audience. All speakers voiced concerns about the economic development of the Summerhaven area being limited by the Mt. Lemmon Wastewater Reclamation Facility (WRF). Director Jackson Jenkins stated that the WRF currently has ample capacity for growth and that RWRD welcomes discussions on future long range planning for the area. The public had no specific concerns about the proposed amendments.

In a vote of six (6) to one (1), with one (1) member abstaining, the RWRAC recommends to the Pima County Board of Supervisors to adopt the proposed revisions of Chapters 13.28 and 13.32 with a minor adjustment to refer to the United States Forest Service Permit for the limitations on connections and plant flow. The dissenting opinion opposed the current use of the Conservation Surcharge in the Mt. Lemmon service area that promotes water conservation while none of other sub-regional wastewater reclamation facilities have this surcharge.

The members of the RWRAC look forward to continuing a close working relationship with the Board of Supervisors and the Regional Wastewater Reclamation Department. All committee members are available at your convenience for any questions or further discussion.

Sincerely,



Corin Marron, Chair



Charles Matthewson, Vice Chair

c: C.H. Huckelberry, County Administrator, Pima County  
Tom Burke, Deputy County Administrator – Administration, Pima County  
Carmine DeBonis, Deputy County Administrator – Public Works, Pima County  
Jackson Jenkins, Director, Regional Wastewater Reclamation Department  
Michelle Campagne, Director, Finance and Risk Management Department  
Julie Castaneda, Clerk of the Board, Pima County  
Charles Wesselhoft, Deputy County Attorney, Pima County Attorney's Office  
Members, Regional Wastewater Reclamation Advisory Committee

Public Meeting is scheduled for November 15, 2018 at 6:00 PM at Bear Canyon Library, 8959 E. Tanque Verde Road, Tucson, AZ. Mt...



[View on Nextdoor](#)



RWRD Community Relations Manager Caroline Vargas, Pima County AGENCY

Public Meeting is scheduled for November 15, 2018 at 6:00 PM at Bear Canyon Library, 8959 E. Tanque Verde Road, Tucson, AZ. Mt Lemmon WRF Pima County Regional Wastewater Reclamation Department (RWRD) is in the process of proposing revisions to Pima County Code (PCC) Title 13 – Public Service, Division II – Sewers, Chapter 13.28 Mt. Lemmon Sewer Connections, and Chapter 13.32 Mt. Lemmon Conservation Fees that relate specifically to the sewer users in Summerhaven. On Saturday, October 20, 2018 RWRD staff met with the Mt. Lemmon Home Owner's Association (HOA)... [See more](#)

General · Oct 30 to subscribers of Pima County in 1 neighborhood



Thank



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## RWRD Proposes Changes to Pima County Code Title 13 and Seeks Public Comment

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### NOTICE OF PROPOSED REVISIONS TO Pima County Code (PCC) Title 13 – Public Service, Division II – Sewers, Chapter 13.28 Mt. Lemmon Sewer Connections and Chapter 13.32 Mt. Lemmon Conservation Fees

Pima County Regional Wastewater Reclamation Department (RWRD) is in the process of proposing revisions to Pima County Code (PCC) Title 13 – Public Service, Division II – Sewers, Chapter 13.28 Mt. Lemmon Sewer Connections, and Chapter 13.32 Mt. Lemmon Conservation Fees that relate specifically to the sewer users in Summerhaven. RWRD is in the initial planning stages of these proposed changes and is seeking public comment prior to proposing the revisions to the Pima County Board of Supervisors.

We are excited to present the proposed changes at the Mt. Lemmon Home Owner's Association (HOA) meeting on **Saturday, October 20, 2018 at 10:00 AM** and will be answering questions and taking comments. Following the Mt. Lemmon HOA meeting, RWRD will schedule a public meeting to be held in two to three weeks with the date, time, and location to be determined. We again invite you to hear our presentation of the proposed changes, and welcome your questions and comments.



**Proposed changes concerning Mt. Lemmon to Chapters 13.28 - Mt. Lemmon Sewer Connections and 13.32 - Mt. Lemmon Conservation Fees:**  
The Chapters that govern Mt. Lemmon sewer connections and conservation fees were established in the 1980s with the construction of the Mt. Lemmon Water Reclamation Facility in Summerhaven and the contract with the United States Forest Service (USFS). Historic elements and references have been removed and the proposed ordinances for 13.28 and 13.32 are updated to reflect the remaining specific requirements.

*The following are the major changes to PCC 13.28 and 13.32:*

- Remove archaic narratives specific to Mt. Lemmon conservation related construction and add references to current County standard wastewater ordinance requirements in 13.20 – Sanitary Sewer Construction, Connections, and Fees to allow for consistency throughout the regional system.
- Maintain emphasis on conservation and clarify USFS limit of 77 permitted connections.
- Removal of low flow fixture administrative requirements now considered construction minimums and annual inspections for assuring compliance.
- Add an operational surcharge (currently set to \$0) for operation and maintenance of the remotely located system.
- Sunset the Standby Surcharge to reserve connections to the sewer system.

If you have any questions or comments regarding the proposed changes, please contact Mary Allen at 520-724-6641 or [mary.allen@pima.gov](mailto:mary.allen@pima.gov).

To view the blacklined version of the proposed changes to PCC 13.28 and 13.32 see the links below:

- [PCC 13.28 - Mt. Lemmon Sewer Connections](#)
- [PCC 13.32 - Mt. Lemmon Conservation Fees](#)



## Public Meeting Scheduled for Proposed Revisions to Pima County Code Title 13

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### Public Meeting is Scheduled for November 15, 2018 at 6:00 PM

Pima County Regional Wastewater Reclamation Department (RWRD) is in the process of proposing revisions to Pima County Code (PCC) Title 13 – Public Service, Division II – Sewers, Chapter 13.28 Mt. Lemmon Sewer Connections, and Chapter 13.32 Mt. Lemmon Conservation Fees that relate specifically to the sewer users in Summerhaven.

On Saturday, October 20, 2018 RWRD staff met with the Mt. Lemmon Home Owner's Association (HOA) to introduce the proposed changes and to answer questions and take comments.

**Proposed changes concerning Mt. Lemmon to Chapters 13.28 - Mt. Lemmon Sewer Connections and 13.32 - Mt. Lemmon Conservation Fees:**

The Chapters that govern Mt. Lemmon sewer connections and conservation fees were established in the 1980s with the construction of the Mt. Lemmon Water Reclamation Facility in Summerhaven and the contract with the United States Forest Service (USFS). Historic elements and references have been removed and the proposed ordinances for 13.28 and 13.32 are updated to reflect the remaining specific requirements.



*The following are the major changes to PCC 13.28 and 13.32:*

- Remove archaic narratives specific to Mt. Lemmon conservation related construction and add references to current County standard wastewater ordinance requirements in 13.20 – Sanitary Sewer Construction, Connections, and Fees to allow for consistency throughout the regional system.
- Maintain emphasis on conservation and clarify USFS limit of 77 permitted connections.
- Removal of low flow fixture administrative requirements now considered construction minimums and annual inspections for assuring compliance.
- Add an operational surcharge (currently set to \$0) for operation and maintenance of the remotely located system.
- Sunset the Standby Surcharge to reserve connections to the sewer system.

### Public Meeting Date, Place and Time:

RWRD is in the initial planning stages of these proposed changes and is seeking public comment prior to proposing the revisions to the Pima County Board of Supervisors. Therefore, The Pima County Wastewater Reclamation Department and its Advisory Committee will host a public meeting **November 15, 2018, at 6:00 PM** at the **Kirk-Bear Canyon Library, 8959 E. Tanque Verde Road, Tucson, Arizona**.

The Department and the Advisory Committee are seeking public comment prior to proposing the revisions to the Pima County Board of Supervisors to the Pima County Code, Title 13 – Public Service, Division II – Sewers, Chapter 13.28 Mt. Lemmon Sewer Connections, and Chapter 13.32 Mt. Lemmon Conservation Fees. These proposed revisions relate specifically to the sewer users in Summerhaven.

We again invite you to hear our presentation of the proposed changes, and welcome your questions and comments.

If you have any questions or comments regarding the proposed changes, please contact Mary Allen at 520-724-6641 or [mary.allen@pima.gov](mailto:mary.allen@pima.gov).

To view the blacklined version of the proposed changes to PCC 13.28 and 13.32 see the links below:

- [PCC 13.28 - Mt. Lemmon Sewer Connections](#)
- [PCC 13.32 - Mt. Lemmon Conservation Fees](#)

**From:** Caroline Vargas

**Sent:** Tuesday, October 16, 2018 3:12 PM

**To:** Mary Allen <[Mary.Allen@pima.gov](mailto:Mary.Allen@pima.gov)>; Fernanda Quintanilla <[Fernanda.Quintanilla@pima.gov](mailto:Fernanda.Quintanilla@pima.gov)>

**Cc:** Eric Wieduwilt <[Eric.Wieduwilt@pima.gov](mailto:Eric.Wieduwilt@pima.gov)>; Richard Miranda <[Richard.Miranda@pima.gov](mailto:Richard.Miranda@pima.gov)>

**Subject:** Nextdoor reminder with Web link to proposed changes....

Mary,

This is the reminder of the meeting and link to proposed changes:



RWRD Community Relations Manager Caroline Vargas, Pima County...



### **Reminder RWRD Staff will attend the Mt. Lemmon HOA meeting on 10/20/18....**

Pima County Regional Wastewater Reclamation Department (RWRD) is in the process of proposing revisions to Pima County Code (PCC) Title 13 – Public Service, Division II – Sewers, Chapter 13.28 Mt. Lemmon Sewer Connections, and Chapter 13.32 Mt. Lemmon Conservation Fees that relate specifically to the sewer users in Summerhaven. RWRD is in the initial planning stages of these proposed changes and is seeking public comment prior to proposing the revisions to the Pima County Board of Supervisors.

Reminder RWRD Staff will attend the Mt. Lemmon HOA meeting will present the proposed changes on Saturday, October 20, 2018 at 10:00 AM and will be answering questions and taking comments. Following the Mt. Lemmon HOA meeting, RWRD will schedule a public meeting to be held in two to three weeks with the date, time, and location to be determined. We again invite you to hear our presentation of the proposed changes, and welcome your questions and comments.

You can find the proposed changes on the attached webpage with a black-lined version for your review. If you have any questions or comments regarding the proposed changes, please contact Mary Allen at 520-724-6641 or [mary.allen@pima.gov](mailto:mary.allen@pima.gov).

Look forward to seeing you all there!

<http://webcms.pima.gov/cms/One.aspx?portalId=169&pageId=453688>