A S S E S S M E N T

BASIS FOR COMPUTING ASSESSMENTS FOR THE SEVIER RIVER DISTRIBUTION SYSTEM /1

It is believed that the following information may be of value to the water users of the Sevier River by enabling those who wish to check their annual assessments when their water rights and water deliveries are known.

The assessments are computed from the past year's water delivery or decreed c.f.s. of water right and a standard ratio. This ratio is computed by the state engineer from the total of the c.f.s. of water right, and the past year's water delivery, and the regular assessment adopted by the water users each year.

The following information was taken largely from the basis of assessment adopted by the Sevier River water users in the past.

I. Formulae for Computing Assessments.

A. REGULAR ASSESSMENTS

$A_r = A_1 + A_2$

Class 1	Class 2
$A_1 = \Sigma A_i$	$A_2 = \Sigma A_i$
$R_1 = \frac{A_r - A_2}{\Sigma A_d}$	$A_i = A_{cfs} \times W \times R_2$
$A_i = A_d \times R_1$	$R_2 = \frac{A_r - A_1}{\Sigma A_{cfs}}$

Where:

A_t ...	Total assessment in dollars
A_1 ...	Assessment for Class 1 rights in dollars.
A_2 ...	Assessment for Class 2 rights in dollars.
A_a ...	Assessment for Sevier River Association in dollars.
A_i ...	Individual assessment in dollars.
A_d ...	Past year's water delivery in acre feet.
R_1 ...	Calculated ratio, cost per acre foot for the Class 1 users.
R_2 ...	Calculated ratio, cost per c.f.s. of right for Class 2 users
R_a ...	Calculated ratio, cost per acre foot for Sevier River Association.
W ...	Weighted unit for Class 2 users.
A_r ...	Regular assessment in dollars as adopted each year by the water users.

B. ASSOCIATION ASSESSMENT

$A_a = \Sigma A_i$

1. Individual assessment.

$$A_i = A_d \times R_a$$

$$R_a = \frac{A_a}{\Sigma A_d}$$

C. TOTAL ASSESSMENT

$A_t = A_r + A_a$

II. BASIC DATA FOR COMPUTING ASSESSMENTS

1. Past year's water delivery in acre feet.
2. Classes of water (Assumed).
   Class 1 .... All rights from Sevier River channel and those tributaries that require extensive regulation.
   Class 2 .... Those rights tributary to the Sevier River which do not require regular visits by the commissioners. This class is divided into five subclasses and weighted according to needed regulation.

Sub Class	1	2	3	4	5
(W) Weighted unit	10	4	3	2	1

3. Total regular assessment as adopted by the water users each year.
4. Association operational assessment.

/1 Prepared by DONALD C. NORSETH, Distribution Engineer, and FRANK REESE, Comptroller, UTAH STATE ENGINEER'S OFFICE, December 1961.

SEVIER RIVER DISTRIBUTION SYSTEM
1964 ASSESSMENT

Class I	$20,790.00
Class II.	750.00
Total for 1964	$21,540.00

BASIS OF ASSESSMENT

The minutes of the 1964 annual Water User's Meeting stipulates that the State Engineer assess Class I water users on the basis of acre-feet of water listed as being delivered by the Commissioner's official report during 1963 at such a pro-rata rate as will produce $20,790.00 and all Class II water users on a second-foot basis weighted according to the various five-group delivery at such a pro-rata rate as will produce $750.00.

CALCULATION OF THE 1964 ASSESSMENT

A. The total water reported by the Commissioners as being delivered during the 1963 season was:

Class I . . . . . .311,050 Acre-Feet
Class II. . . . . .2,103.51 Units (cfs)

B. Class I cost of one pro-rata acre-foot of water is determined as follows:

$20,790.00 divided by 311,050.00 acre-feet of water equals $0.0668381290, cost for one such acre-foot of water.

C. Class II cost of one pro-rata unit (cfs) is determined as follows:

$750.00 divided by 2,103.51 units equals $0.3565469145, cost of one such unit (cfs).

PROOF

Class I: 311,050.00 A/F times $0.0668381290	equals	$20,790.00
Class II: 2,103.51 units times $0.3565469145	equals	750.00
Total		$21,540.00

Prepared by - Frank Reese
Frank Reese
Controller

March 20, 1964