

# ASSESSMENT

## BASIS FOR COMPUTING ASSESSMENTS FOR THE BEAVER RIVER SYSTEM /1

It is believed that the following information may be of value to Beaver River Water Users by enabling those who wish to check their annual assessment when their water rights are known.

The following information was taken largely from the basis of assessment adopted by the Beaver River Water Users over past years

### I. BASIC FORMULA. TOTAL ASSESSMENT = SUM OF INDIVIDUAL ASSESSMENT

#### A. Individual Assessments

##### 1 - Direct flow rights

(a) Class A rights

$$A_i = F_d \times 8 R_f$$

(b) Class B rights

$$B_i = F_d \times 4 R_f$$

(c) Class C rights

$$C_i = F_d \times 2 R_f$$

(d) Class D rights

$$D_i = F_d \times R_f$$

##### 2 - Storage rights

$$S_i = A_v \times R_s$$

##### 3 - Power rights

$$P_i = F_d \times R_p$$

#### Where:

$A_i$	= Individual assessments on Class A rights in dollars
$B_i$	= Individual assessments on Class B rights in dollars
$C_i$	= Individual assessments on Class C rights in dollars
$D_i$	= Individual assessments on Class D rights in dollars
$F_d$	= Flow decreed individual right in c.f.s.
$R_f$	= Rate for flow in dollars per c.f.s. as calculated annually to meet budget requirements
$S_i$	= Individual storage assessment in dollars
$A_v$	= Past five year average of stored water in acre-feet
$R_s$	= Rate for storage in dollars per acre-feet
$P_i$	= Individual power assessment in dollars
$R_p$	= Rate for power in dollars per c.f.s.

### II. BASIC DATA FOR COMPUTING ASSESSMENTS

#### B. Water Rights as listed in Beaver River Decree

##### 1 - Classes of water

- Class A. All rights with 1875 priority or earlier
- Class B. All rights with 1890 priority.
- Class C. All rights 1902 and 1903 priorities.
- Class D. All rights with priorities subsequent to 1903.
- Power rights. All rights used for power generation.
- Storage rights. All rights under which reservoir storage is utilized.

1932 through 1936 average of water delivery to storage rights in acre-feet.

III. BASIC ASSESSMENT RATES

C. 1 - Flow rates

$$R_f = \frac{\text{Total budget} - (\text{power and storage assessments})}{15 \times \text{total c.f.s. decreed}}$$

2 - Storage rights and power rights were charged flat rates in 1930.

At that time, the total budget was \$1525 per year. Since that time, the rate for these uses has been increased proportionately with the budget.

(a) Storage rights using past 5 year average acre-feet stored.

(1) 1930 flat rate assessment was \$0.01/AF

(2) Current rate =  $\frac{\text{current budget}}{\$1525} \times \$0.01$

(b) Power rights

(1) 1930 flat rate assessment was \$0.25/cfs

(2) Current rate =  $\frac{\text{Current budget}}{\$1525} \times \$0.25$

*budget*  
*Total at 1930*  
*1/15 112*