

REPORT OF JOINT COMMITTEE ON WATER CONSUMPTION

THIS committee of the New England Water Works Association was appointed for the purpose of securing, by co-operation with the American Water Works Association, a standard form for water consumption statistics that would be adopted by both associations. The American Water Works Association appointed Messrs. W. W. Brush, J. N. Chester, J. H. Dunlap and J. H. Purdy, with Edw. S. Cole as chairman, as a conference committee.

Joint meetings have been held, and various members of the committee have presented their views in writing. A joint report was prepared with the unanimous assent of both committees, which was presented to the American Water Works Association at its annual convention in Richmond, in May, 1917, and formally adopted.

Your committee submits, for consideration, two forms to be used in the collection and publication of water consumption statistics. These forms are described as follow:

Form "A," to be used when only water consumption statistics and those closely allied thereto are to be presented.

Form "B," to be used when incorporated in a report, based on the form adopted by the New England Water Works Association and by the American Water Works Association in 1908.

These forms are attached hereto. They have been made as simple as possible, and consistent with the presentation of information which it is believed will be useful to the water supply profession.

Your committee has been impressed by the dearth of water consumption statistics which are comparable and typical of the various sections of this country. It believes that this association would be rendering a service that the membership generally would appreciate, if the association should publish yearly the consumption statistics of typical communities in the various sections of our country. These should be selected so that the statistics of a fully metered community would be placed in comparison with those of a city in which only a small fraction of the supply is metered. By selecting, say, from fifty to one hundred of such communities and enlisting their aid in furnishing accurate statistics, information of great and increasing importance would be made available. Each five years, beginning with the year 1920, statistics should be published, setting forth the more important water consumption figures for a much larger number of cities, selecting these so that a reasonable percentage of each size would be recorded. It is suggested that this list include all cities having a population of over 500,000, 50 per cent. of those having a population of from 250,000 to 500,000, 25 per cent. of those having a population of from 100,000 to 250,000, and 10 per cent. between each of the following limits: 50,000 to 100,000; 25,000 to 50,000, 10,000 to 25,000, under 10,000.

By co-operation with the American Water Works Association, the labor and expense of collecting and publishing this information can be divided between the two associations, and the information furnished to the combined membership.

Your committee makes the following recommendations:—

First: That Form "A" be adopted for use where water consumption statistics only are to be recorded.

Second: That a committee on uniform annual reports be appointed, the membership to represent those in-

terested in pumping, filtration, water consumption, distribution, services, meters, and financial questions; that the American Water Works Association be requested to appoint a similar committee; that these committees, if possible, agree on a statistical form which will cover the entire waterworks field; that the committee of this association report at the next annual meeting the form recommended; and that this committee also report to what extent the association should collect and report statistics, giving the names of the communities from which such statistics should be regularly obtained and published.

Third: That your present committee should be finally discharged.

Respectfully submitted,

EDW. S. COLE, Chairman.
C. M. SAVILLE.
D. A. HEFFERNAN.
P. R. SAUNDERS.
E. W. KENT.

New York City, N.Y., August 1, 1917.

Form "A"

(To be used when only water consumption statistics and those closely allied thereto are to be presented)

1. City or town
2. Year for which report is made
3. Municipal or private
4. Miles of mains
5. Range of domestic pressure
Is fire pressure raised?
What is fire pressure?
6. Population:

{	(a) Total ...	(Last United States census
		Estimated total population this date
	(b) Supplied.	Estimated total population supplied, using 5 per family
7. Total number of services in use
8. Total number of metered services
9. Per cent. of metered services (8 divided by 7).....
10. How is the total water consumption determined:
 - (a) By meter upon supply main. (Yes or No)...
 - (b) By plunger displacement. (Yes or No)....
Slip allowed
 - (c) Other methods. Describe
11. Total annual water supplied for:
 - (a) Domestic uses by metered services
 - (b) Commercial use by metered services
 - (c) Industrial use by metered services
 - (d) Public uses by metered services
 - (e) Total metered use
 - Estimated public use unmetered
 - (f) Total accounted for
 - (g) Total annual amount of water supplied, gallons daily
 - (h) Total unaccounted for
 - Per cent. total supply
12. Minimum night rate (1 a.m. — 4 a.m.)
State how this rate is obtained
13. Maximum rate
 - (a) Without fire
 - (b) With fire per hour...per day...per month...
14. Total metered use per capita daily
- What population
15. Average supply per service per day, gallons