



Memorandum

TO: City Council

FROM: Alfred Lott, City Manager

SUBJECT: Water Filtration Rebate Report

DATE: 04/28/2022

Staff is providing an update about the Water Filtration Rebate Program.

ATTACHMENTS: 1. 20220502 - Water Filtration Rebate Program

Water Filtration Rebate Program Report

City Council Meeting 5/2/2022

Background:

What is the rebate program?

This program offers up to a \$1,800 rebate for the purchase and installation of water filters(s) or a whole house water filtration system. The system or filters must be installed on a property that is served by the City of Bowie Water System. (WSSC customers are not eligible for this rebate).

To qualify for the rebate, property owners must be preapproved by the City of Bowie according to the criteria below. Further, the City must be allowed to verify installation of the system or filter(s) at the property before the rebate will be issued.

Please note: If the value of the purchased and installed water filter(s) or water filtration system is less than \$1,800, the rebate will be for the actual amount of the equipment and installation.

Who is eligible for a rebate?

Any property served by the City of Bowie Water System (not WSSC) that meets the requirements outlined below is eligible for a rebate. The property owner (not a tenant) must apply for the rebate.

What are the requirements to be eligible for a water filter system rebate?

Preauthorization

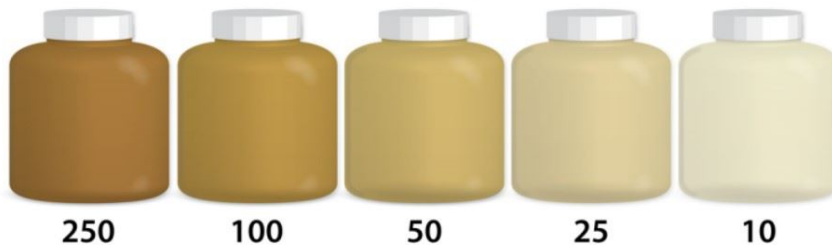
To receive preauthorization from the Public Works Department, the customer's water must meet certain thresholds:

1. Show significant and persistent evidence of sedimentation in water running through the property's water fixtures measured via turbidity* tests.
2. Three turbidity tests will be performed by Bowie water utility staff at the property to determine if there is a "significant and persistent sedimentation in the water".
3. Testing will be done using a turbidimeter. A reading of 50.0 NTU indicates high concentrations of particulate matter or cloudiness and makes the property eligible for the rebate.
4. Tests will be conducted on three separate occasions, with at least two weeks between each test.

Turbidity is the opaqueness of a liquid due to solids in the sample. A light is directed through the sample and a sensor records how much light passes through. More solids means less light passes through and receives a higher score measured in terms of nephelometric turbidity units (NTU).

Turbidity (NTU)

Water Samples:



Source: North Carolina Online History Resource <https://www.ncpedia.org/media/turbidity-chart>

Results as of COB Wednesday 4/27/2022

Number of Applications Received: 81

Application in WSCC Distribution System: 6 (Not eligible)

Applications in COB Distribution System: 75

Residences Tested: 69

Residences to be tested on 4/28 and 4/29, 2022: 6

Highest Turbidity Level: 21.8 NTUs (Just one Residence)

Lowest Turbidity Level: 0 NTUs

Median Turbidity Level: 7.5 NTUs

Except for one residence, no turbidity was observed visually in any of the samples collected.