

White Hills Residence

December 16, 2008

Utah Public Service Commission  
Heber M Wells Bldg. 4<sup>th</sup> Floor  
160 East 300 South  
Salt Lake City, Utah 84114-6751

Re: Refute Rate increase

Dear Commission,

White Hills Water Company's break even point is to occur when there are between 400 to 500 residents. We currently have 124. It should be expected that the water company will run in the red until it has reached the break even number of residents.

Currently White Hills Water Company is mismanaging their resources. White Hills Water Company has had several major leaks which have been leaking for years. After speaking to several people acquainted with said leaks I have made several calculations of water loss of White Hills Water Company over the last two years.

There have been at least five leaks repaired recently during the month of November 2008 and two of these were major leaks between 1 – 2.5" inches in diameter each. In talking to the son of the farmer who works the land where said leaks occurred he said they had been there for two plus years. I talked to the farmer Mr. Smith and he said he was not sure how long they had been there. He said there have been several large leaks over the years. There has been a sufficient amount of water to allow reeds to grow in the area.

Let's examine the amount of water that flows in the White Hills subdivision. I live 10-20 feet in elevation above the area where the leaks occurred. This is just to show there would be greater pressure and even greater flow rate where the leaks were. I have a flow rate on a 1/2 inch diameter pipe inside my home of 9 seconds per gallon. With a hole twice the size you will have twice that amount or two gallons per 9 seconds. In one minute you would have 13.33 gallons per minute. In one hour you would have 800 gallons and in one day you would have 19,200 gallons. In one year you would have 7,080,000 gallons or the equivalent to 92.75 average households. (Based on Desert Water Agency 2002 data) In two years time you could have provide water to 185 residents and with two holes leaking at said rate you could have provided water to 371 residents.

| size of hole                                 | 1"           | 2"           | 3"           | 4"           |
|--|--------------|--------------|--------------|--------------|
| number of seconds/gallon                     | 4.5          | 2.3          | 1.5          | 1.1          |
| gallons/minute                               | 13.3         | 26.7         | 40.0         | 53.3         |
| gallons/hour                                 | 800.0        | 1600.0       | 2400.0       | 3200.0       |
| gallons/day                                  | 19200.0      | 38400.0      | 57600.0      | 76800.0      |
| gallons/year                                 | 7008000.0    | 14016000.0   | 21024000.0   | 28032000.0   |
| <b>residents that could have been served</b> | <b>92.8</b>  | <b>185.5</b> | <b>278.3</b> | <b>371.0</b> |
| <b>residents that could have been served</b> | <b>185.5</b> | <b>371.0</b> | <b>556.5</b> | <b>742.0</b> |

White Hills Water Company currently serves 124 residents. They could have provided water to all of the residents for a period of three years based on these calculations. It should be noted this example was based on the extreme low side of hole diameter. The section of bad pipe where the leaks have occurred is a different material than the pipe in the subdivision. Why should White Hills residence have to pay for the mismanagement of White Hills Water Company's resources? I am opposed to throwing more money at this water company until they can show they are managing responsibly.