

Peppersack, Jeff

From: Christopher Meyer <ChrisMeyer@GivensPursley.com>
Sent: Wednesday, April 04, 2007 2:07 PM
To: Peppersack, Jeff
Cc: Kyle Capps; Haynes, Bob
Subject: RE: RE: Municipal water right quantification - Black Rock

Jeff,

I have confirmed with Kyle Capps that the current usage numbers for in-house domestic use are based on actual metered measurements, not estimates.

These numbers appear to be in the ballpark to me. Bear in mind that the homes in Black Rock are typically occupied only part of the year. According to a 2001 University of Colorado report by Peter Nichols, the national average for in-house domestic water use is 179 gallons/day (0.2 acre-feet/year). I checked the numbers reported by United Water Idaho in its Integrated Municipal Application Package (the famous "IMAP"). It reported in-house usage in the Treasure Valley ranging between 164 and 205 gallons/day. I understand that IDWR uses a rule of thumb of 0.6 acre-feet per year (536 gallons/day) for in-house domestic use, but this number does not appear to be consistent with actual need for larger scale developments.

Let's talk about your second point. I based my chart on annual volume, rather than rate of diversion, since that seems to be the tighter constraint.

Jeff, I really appreciate your input and help on this.

-Chris

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----- Original Message -----

From: "Peppersack, Jeff"
To: "Christopher Meyer"
Sent: 4/04/2007 12:07PM

Subject: RE: Municipal water right quantification - Black Rock

Chris,
I have not reviewed the spreadsheet in detail, but have a couple of questions.

The use per day per dwelling seems low, is the number based on actual measured data?

I'm not sure it really matters, because I think the real question is: is there sufficient rate to fill the ponds and cover the existing uses? An analysis of existing demand (average and peak rate?) compared to required demand including ponds would make more sense.

I haven't been involved in prior discussion about this issue, so maybe I'm on the wrong track.

Jeff

-----Original Message-----

From: Christopher Meyer [mailto:ChrisMeyer@GivensPursley.com]

Sent: Wednesday, April 04, 2007 10:38 AM

To: Haynes, Bob; Peppersack, Jeff

Cc: Kyle Capps

Subject: Municipal water right quantification - Black Rock

To: Bob Haynes & Jeff Peppersack (IDWR)

Bob and Jeff,

I have left voice mails for both of you, explaining that I would be forwarding the attached spreadsheet.

Please let me know if you agree with the math here.

My calculations show that there is more than ample water available under the municipal ground water right (No. 95-9055) to cover all existing domestic uses as well as all pond uses. This does not even take into account that some of the irrigation pond use may be covered under a separate surface irrigation water right (No. 95-9045) pursuant to the 24-hour rule.

Black Rock would still prefer to use the surface irrigation right for the ponds and water features. But this seems to demonstrate that if, for any reason, that were not allowed, there is more than enough water available under the municipal right to satisfy all current and even future pond needs.

I will appreciate your thoughts on this.

-Chris

cc: Kyle Capps, Black Rock

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