

From: Marc Hoeschele
Sent: Thursday, February 02, 2012 10:24 AM
To: 'Harry Moos'
Cc: 'Bob Raymer'; 'Deborah Stanescu'; 'MHodgson@ConSol.ws'; 'jon@mchughenergy.com'; Ken Nittler; 'Maziar Shirakh'; Martha Brook
Subject: RE: Plumbing changes to code

Thanks, Harry.

Based on the email, and your followup call with me, it sounds like the 1" hot water pipe issue is a fairly uncommon occurrence in production housing, based on your contact with 3 North State plumbers. The attached email suggests an ~ 20% saturation in the market, and that may be declining with the advent of more lower flow showerheads and devices.

The 20% figure is lower than the 29% statewide figure we have found in our plumbing survey work, but both suggest that this shouldn't be a big problem, especially as plumbing practices improve.

Thanks for your efforts in investigating this.

Regards,
Marc Hoeschele

From: Harry Moos [mailto:harry.moos@yahoo.com]
Sent: Wednesday, February 01, 2012 1:22 PM
To: Marc Hoeschele
Cc: 'Bob Raymer'; 'Deborah Stanescu'
Subject: FW: Plumbing changes to code

Marc, sorry for the delay but this is the word I get from the Plumbing contractors in the North, Hope this clears up any issue. I will call you tomorrow and discuss.

Harry Moos
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harry.moos@yahoo.com<mailto:harry.moos@yahoo.com>

From: gary ferrari [mailto:gary@ironoakplumbing.com]<mailto:[mailto:gary@ironoakplumbing.com]>
Sent: Wednesday, February 01, 2012 7:22 AM
To: 'Harry Moos'
Subject: RE: Plumbing changes to code

Hi Harry,

Sorry for the delayed response.

About 20% of the homes we do are required to have 1" hot. However, we feel that you should almost never need to have 1" hot. With the introduction of 1.75 gpm shower heads and tankless water heaters, a 3/4" should almost always handle the demand. Plus having a 1" hot line wastes more water when having to purge out the water line to get hot water to that fixture.

All the systems we do are pex. We don't use manifolds of any sort. We install our system in the more conventional mainline with branch line system.

From: Harry Moos [mailto:harry.moos@yahoo.com]<mailto:[mailto:harry.moos@yahoo.com]>
Sent: Monday, January 23, 2012 10:12 AM

To: gary@ironoakplumbing.com<mailto:gary@ironoakplumbing.com>
Subject: FW: Plumbing changes to code
Importance: High

Gary, the real question is they want to get away from 1" hot side pipe in a house. How many 1" hot lines are typically run? With insulation in the attic at least 4" I can't believe this is a real issue. Do you use Pex? Do you use manifolds and if so do you put them in the garage or mini manifolds in attic? If when you have time let me know .

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From: Marc Hoeschele [mailto:mhoesch@davisenergy.com]<mailto:[mailto:mhoesch@davisenergy.com]>
Sent: Monday, January 23, 2012 9:53 AM
To: Harry Moos
Subject: FW: Plumbing changes to code

Harry-

Here is some additional information on the cost issue.

Thanks
Marc

From: Marc Hoeschele
Sent: Monday, January 23, 2012 8:42 AM
To: 'Harry Moos'
Subject: RE: Plumbing changes to code

Harry-

What time this afternoon would work?

Take a look at the posted codes and standards report, especially the appendix which discusses our plumbing field survey efforts. The 60 home 2006 study is currently being updated with another 100 new production homes statewide.

http://www.energy.ca.gov/title24/2013standards/prerulemaking/documents/current/Reports/Residential/Water_Heating/2013_CASE_R_SEMPRA_Single_Family_DHW_%20Sept_2011.pdf

Regards,
Marc

From: Harry Moos [mailto:harry.moos@yahoo.com]<mailto:[mailto:harry.moos@yahoo.com]>
Sent: Friday, January 20, 2012 7:34 PM
To: 'Deborah Stanescu'; Marc Hoeschele
Cc: 'Bob Raymer'
Subject: RE: Plumbing changes to code

Mark give me a call Monday, I am sorry I have had some health issues the last two days.

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From: Deborah Stanescu [mailto:dstanescu@ConSol.ws]<mailto:[mailto:dstanescu@ConSol.ws]>
Sent: Friday, January 20, 2012 5:39 PM
To: Marc Hoeschele
Cc: Harry Moos; Bob Raymer
Subject: Plumbing changes to code

Marc,

Have you been contacted yet by Harry Moos on the plumbing changes and their costs? Let me know if there is anything else I can do to help.

Deborah J. Stănescu
Research Scientist
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Version: 2012.0.1901 / Virus Database: 2109/4756 - Release Date: 01/20/12

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Version: 2012.0.1901 / Virus Database: 2109/4761 - Release Date: 01/23/12

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Version: 2012.0.1913 / Virus Database: 2112/4779 - Release Date: 02/01/12