

1 KELLY: These are low doses.

2 HUTFLESS: These are low doses?

3 KELLY: High doses are what we use in radiation therapy to  
4 kill cancer cells in patients with cancer. Those are very, very high doses.

5 HUTFLESS: So the 1 to 20 would be a low dose?

6 KELLY: That's a low dose chronic exposure.

7 HUTFLESS: Alright. Thank you.

8 WITWER: Commissioners, I want to thank you very much for  
9 the opportunity to speak to you and give testimony this evening. My name is  
10 John Witwer. I am a physician. I live at 3111 Interlocken Drive in Evergreen  
11 Colorado and I have been on the staff at Lutheran Medical Center for 26 years  
12 and served as the Chairman of the Department of Radiology and also was on  
13 the Board of Directors as well as president of the medical staff. This evening I  
14 am speaking as a physician and as the state representative for the citizens of  
15 Lookout Mountain, Genesee and Golden. I had hoped that the study by Dr.  
16 Richard Hoffman of the Colorado Department of Public Health and Environment  
17 would settle an issue of great concern to the people of our community. And that  
18 basically, as you have heard tonight, is the health effects of the Lookout  
19 Mountain antenna complex a source of electromagnetic radiation whose power  
20 is planned to significantly increase in the near future. I've learned from the  
21 Department of Public Health and the Environment study and what I'm quoting  
22 here is from both the study as well as the summary that 1. "there is an  
23 established association in the scientific literature of brain tumor and occupational

1 exposure to electromagnetic radiation” and 2. “an association between  
2 residential radio frequency exposure and childhood leukemia”. I’ve also learned  
3 from this study that there is “some evidence supported and some did not support  
4 an association between radio frequency exposure from the antennas with the  
5 occurrence of brain and central nervous system tumors”. The issue of whether  
6 this particular source of radio frequency exposure is harming our community, the  
7 issue is unsettled and unsettling. My personal conclusions from this study are  
8 the following: I believe that there should be further investigation of alternative  
9 sites and that the antenna complex should be moved to a site or sites where the  
10 population will not be exposed to such intense radio frequency environment. 2.  
11 I would like to urge further scientific study of this issue because “(and this is from  
12 the summary of the Colorado Department of Public Health’s study) “public health  
13 questions remain as to whether brain and central nervous system tumors could  
14 be associated with the radio frequency exposure from Lookout Mountain  
15 antenna farms”. I would also like to point out during earlier testimony the two  
16 principles of epidemiology were touched on but I’d like to reiterate them and one  
17 is the co-factor concept and I will use the analogy with smoking and lung cancer.  
18 If you smoke for a long enough period of time and you’ll get...have a chance of  
19 getting lung cancer perhaps 10 to 20%. However if you have the co-factor of  
20 either being exposed to asbestos or you work in a uranium mine the chances of  
21 getting a malignancy from smoking can approach 95%. So we have to consider  
22 and be concerned about the potential co-factors and I would like you to keep  
23 that in particular mind. Also, multipath reflections were also discussed. And it’s

1 a very, very important that we get to the issue of the dose-response  
2 relationships. And this has been also touched upon. Not only is this a complex  
3 radio frequency environment it's a complex topological and geographic  
4 environment. So it is very, very difficult to make assessments without good,  
5 strong further study. Finally I would like to urge an environmental impact  
6 statement on the effects of electromagnetic radiation from the antenna complex  
7 on to the citizens of Golden, Lookout Mountain and Genesee. Finally for the  
8 same reasons I've outlined above I strongly urge the County Commissioners to  
9 not allow an overall cumulative increase in the electromagnetic environment on  
10 Lookout Mountain. Thank you very much.

11 HOLLOWAY: Any questions for John? Rick do you have for John?

12 SHEEHAN: What's the present status of the legislation's study  
13 passed in the house?

14 WITWER: It passed in the House.

15 SHEEHAN: What's the status?

16 WITWER: It's at the Senate committee tomorrow afternoon.

17 SHEEHAN: Do you have your 18 guaranteed votes?

18 WITWER: I had 36 in the House.

19 HOLLOWAY: Thank you.

20 DESTEFANO: Good evening, Commissioners. My name is Jon  
21 DeStefano. Should I spell that or? J-O-N-D-E-S-T-E-F-A-N-O. I'm president of  
22 the Jefferson County Board of Education.