

1 HOLLOWAY: Jon, hold on just a second.

2 DESTEFANO: Oh, I'm sorry.

3 HOLLOWAY: Do you have any questions for Jon? Okay. Thank
4 you.

5 DESTEFANO: Thank you, too.

6 CARNEY: We're looking for Bryan Starling, Golden City
7 Council.

8 STARLING: Yes. I'm Bryan Starling. I reside at 900 12th Street in
9 Golden Colorado. I'm also a city councilor for the City of Golden. In addition to
10 that I'm also a medical researcher of about 25 years in medical implants and I've
11 had some experiences that run pretty similar to some of the things that we're
12 discussing this evening. So I'll discuss those outside of the city council domain.
13 I'd like to read for you the resolution that the City Council had passed. It is
14 Resolution Number 975. It's a resolution of the City of Golden, City Council,
15 requesting additional impartial and expert evaluation of the proposed HDTV
16 tower on Lookout Mountain. And it states, "Whereas the City of Golden is home
17 to the Colorado School of Mines which is the oldest institution of higher
18 education in the State of Colorado and whereas the Colorado School of Mines is
19 world renowned for the quality of it's teaching and research and whereas the
20 members of the Colorado School of Mines faculty have expressed to City
21 Council their grave concerns over the potential negative technical impact of the
22 proposed broadcast facilities on their research which brings over 20,000,000
23 dollars into the local economy and whereas the Golden area is the location of

1 more than a dozen high tech businesses that may also experience serious
2 problems with the proposed tower and whereas many of those businesses may
3 be forced to move out of the Golden area if the tower is constructed and
4 whereas Colorado School of Mines faculty and Golden business owners have
5 expressed to City Council that the tower opponents and the County have not
6 adequately evaluated and addressed their concerns. Therefore be it resolved
7 by the City Council of the City of Golden Colorado Section One, the Golden City
8 Council respectively requests that the Jefferson County Board of County
9 Commissioners not approve any new broadcast towers on Lookout Mountain
10 until competent studies of all potential interference is completed. Section Two,
11 those studies should be conducted by an independent entity and in a manner
12 acceptable to the faculty of the Colorado School of Mines. Section Three, City
13 Council further requests that the Commissioners give due consideration to the
14 visual impacts the tower and associated buildings will have on the Golden
15 community". That was adopted the 28th day of January 1999, signed Jan C.
16 Schenk, Mayor. We, as fellow city council have a great concern for our
17 residences and the businesses in our city. With regards to my background I've
18 had experience in a heart pace maker company which we've done electrical
19 stimulation evaluations of a variety of human tissues, not primarily in the area
20 that we're discussing here today with the type of radiation but different types of
21 electrical stimulation. We've also done a lot of studies with regards to materials
22 and the impacts on those in the human body. I've done this as I've said for
23 about 25 years. Some of the materials that we originally had used in implants in

1 this profession had shown to be in the minds of all the professionals and all the
2 committees that were put together safe and efficacious. Over time some of
3 those materials did fail and had different mechanisms of failure than those things
4 that were anticipated when they first were admitted into the implant arena.
5 Some of those things are discovered in various ways. The body is a very
6 complex organism. The ways and manifestations of failure can be many. I
7 heard with great interest some of the discussion with the cellular wall membrane
8 types of issues and I concur with some of those conclusions. I'm currently a
9 vice-president of a small biotechnology company that cultures mammalian cell
10 tissues. These tissues are for reimplantation in the body and there are very
11 subtle effects that are noticed by slight chemical differential, differences and
12 certainly from some of the other work that I've done in the heart pace maker
13 things you could anticipate that there could be other complications. This is
14 again, you don't find these things until you start looking for the effects. We're in
15 the discovery phase basically at this point. Standards are always an evolving
16 thing. I've worked in regulatory standards, evolutions within several of these
17 companies as well as the recommendations to the FDA. In those standards it's
18 always even as has been stated by the Cedar Group, it's an evolving type of
19 thing. And we need to be very careful in our consideration of these standards
20 because they do evolve. I've seen the standards evolve for some of the
21 materials in the work that I've done to where some of the materials are no longer
22 accepted as standards in the implant business. Finally, I would like to state that
23 we do need to consider the financial impact to these things within the County.

1 Some of those businesses where I had seen some of the failed devices had
2 gross impacts. I mean they pass standards. They met the standards. There
3 was a repercussion of several of those businesses in which some of them had
4 closed as a result of failed devices. I think the impact the litigation impact to the
5 County needs to be anticipated if those types of things were to occur. It's
6 important for us to anticipate what we think might happen even if we do not
7 know it will happen. Finally I would like to say that in a lot of these device types
8 of things you always anticipate that the human body is the same from person to
9 person. We know from a lot of the material studies that there are some people
10 that have different sensitivities to materials that others have not. One in
11 example is nickel. Nickel is a component in several of the implant devices.
12 People are tested for that sensitivity now. Initially they were not. And that can
13 have an impact. That's why I'm trying to tell you is there are subtleties in these
14 things that need to be considered. Thank you very much.

15 HOLLOWAY: Bryan, I have a question. How long has this problem
16 been going on in Golden with the businesses and the interference in the
17 businesses?

18 STARLING: We do not know the exact length of time. We've had
19 some of the businesses come and speak to us. Certainly they've noticed it over
20 the past I think couple of years definitely. Some of them, it's very much like I
21 was trying to say with the medical things, they did not know where the
22 interference was coming from until recently. Certainly there are complications in
23 that as was recently discovered with the School of Mines Sprint issue but as

1 they become more attuned to the issue they're seeing that there is some
2 component of that that does contribute to their problems.

3 HOLLOWAY: So their major thrust of this problem has only been in
4 the last couple of years?

5 STARLING: As far as I know. And I'm saying that because
6 there...some of the...when they came to speak to us they talked of fine
7 sensitivities in which their instrumentation is getting to finer and finer
8 sensitivities. So just as you're seeing the evolution of these TV towers you're
9 seeing the evolution of technologies at other levels too. Their HDTV this is new.
10 You're seeing some other evolution of technologies in instrumentation too.

11 HOLLOWAY: Okay. My other question was about the Sprint too.
12 So, okay. Thank you. Oh, anybody else? Gee. Answered my questions. Okay
13 it is virtually 10:30. It's 10:29. We're going to end it because we've got we know
14 we've got a lot more testimony coming. So we will continue this.

15 LAWRENCE: You're going to need a motion.

16 HOLLOWAY: Until May 27th. Could I please have a motion to
17 continue?

18 LAWRENCE: Yes. I move that we continue where's the number? I
19 move that we continue Case Number 98015154RZP1 until Thursday May 27th at
20 5:00 p.m.

21 SHEEHAN: I'll second.

22 CLERK: Commissioner Lawrence?

23 LAWRENCE: Yes.