

**Comments Regarding the Cellular Antennae Proposal at Valley View Playfield:
(As of January 7, 2016)**

Randy Quale and City Council members,

My name is Tom Farrell and yesterday I received a letter about the proposed Verizon Wireless Telecommunications/cellular antenna tower and shelter installation at Valley View Playfield. I live on Second Avenue which would be about a block (as the crow flies) from the proposed cellular antenna installation. I have to strongly object to the placement of this cellular antenna installation on several grounds and have talked to several neighbors who agree with me on this matter.

First - This new cellular antenna installation is too close to residential housing along 91st street including neighboring houses within the vicinity of a block or less including my house. The cellular antenna installation would be about 75-80ft from the closest adjacent residential property on 91st street. If you include the next houses along 91st street including 3rd, Clinton, 4th and 5th Avenues along with the second or third houses on both sides of the street. You are talking about around 20 residential properties within 75- 250ft from this cellular antenna tower installation.

I'm personally not convinced either way that cell towers emitting radio-frequency (RF) waves could be a danger to human health but some people do. This perception alone could cause potential losses in property values. I understand there are four main factors involving the potential of radio-frequency (RF) damage to human health; 1. The type of (RF) radio frequency signal being emitted. 2. The power of the radio frequency (RF) being broadcasted. 3. The distance you are from the radio frequency (RF) being broadcasted. 4. The amount of time you are exposed to the radio frequency (RF) being broadcasted. If I lived in the house directly across the street or one the houses adjoining that property I would be very concerned as there are children in these houses.

All one has to do is google cell tower radiation and there are hundreds if not thousands of web sites on both sides discussing the topic. In fact there is a current movement by several Minneapolis parents who have proposed a statewide ban on cellular towers on schools. The funny thing about this is that this Verizon proposed cellular antenna tower is that this will be directly next to a baseball field and a children's playground. How much radio frequency (RF) radiation would children be exposed to not only in their homes but on the valley view playground or pool. What happens if in 5-10 years from now a child living in one of these house comes down with a form of cancer? Will the city of Bloomington or Verizon put a financial guarantee if anyone living in these houses comes down with cancer they will cover the medical costs?

Second – Potential interference with radio, television, wifi, z-wave, cordless phones, and other wireless household devices that are in the vicinity. This is my main concern as an amateur radio

enthusiast (Ham/Shortwave/Satellite) for the last 30 years and working in the Information Technology professional for 20. I personally use a TV antenna to watch television and this cellular antenna installation would be directly between my house and the Television broadcast towers in Shoreview. Will the city of Bloomington or Verizon put a financial guarantee that the cellular antenna will not cause any interference with any neighboring household electronic devices in the area?

Third – Valley View field already has cellular antennas mounted on the water tower. Some people may not have noticed by why set up a second ugly cellular antenna tower 50ft away? Why can't Verizon also mount the cellular antennas on the water tower? Has the owner (Sprint T-mobile or ATT) of the cellular antennas mounted on the water tower been advised of this new cellular antenna tower that will be less than 100ft away? Could there be interference between these two competing cellular antennas? These cellular antennas mounted on the water tower could already be emitting dangerous radio frequency (RF) radiation to the area. Has there been any thought how this second proposed cellular antennas by Verizon could potentially add to the radio frequency (RF) radiation?

I understand that the City of Bloomington and the park system potentially profit from these cellular antenna agreements by cellular providers. I also have a cellular phone and benefit from the convenience and freedom of my wireless phone. I also understand there needs to be cellular antennas to allow for the use of cellular phones. What myself and some of my neighbors object to is having one of these cellular antenna towers installed in our residential neighborhood directly next to a children's playground and 75ft across the street from someone's home. I would also like to know if any other Cellular antenna towers have been constructed in Bloomington within 75ft of residential homes or directly on a children's playground?.

Fourth – If this cellular antenna tower and equipment shelter were to be constructed. What if any recourse would any neighboring residents have if they have future health problems or interference with any wireless electronic devices? It was not in your letter but what is the frequency and the power of the signal the Verizon cellular antenna tower will generate? Also what would stop Verizon a few years down the road from increasing the transmission power of the radio frequency signal or upgrading to new technologies that may further affect the health or interference of neighboring electronic devices? Also how much noise would the diesel generator make and what would the decibel noise level be to neighboring houses? Would the diesel generator run at night if there were any power interruptions?

If the City of Bloomington and Verizon would have initially proposed installing one of these cellular antennas towers on one of the light poles on the 90th street side of Valley View Park there might have not been any issues or objections. Now that I have done some research I would personally also object to that too. Cellular antenna towers and cellular phones have been around for 20 years now and we still do not know the environmental impact of exposure of such towers to birds or children. I hope the City of Bloomington would reconsider and install this Verizon cellular antennas tower to an area that is not directly on a children's playground or

75ft away from a residents home. I would also like to remind you what the City Bloomington Charter and Code of Ordinances states:

The City of Bloomington's Code of Ordinances contains local laws which, along with state and federal laws and regulations, shape our city and its services to keep residents safe, maintain property values, and govern private activities within the city's boundaries in a manner that balances the protection of individual rights with the promotion of the public health, safety and welfare.

I will be in a class on January 14th and will be unable to attend the Bloomington Parks and Recreation meeting. I cannot speak for all nearby residents but the ones I talked to are against this **second** cellular antenna tower at Valley View Playfield and hope you will reconsider and cancel this project.

Thank you,

Thomas Farrell
Bloomington, MN

Phone call from Geri Kusz:

Lives across the street from Valley View Playfield and asked if the cellular antennae would affect television reception in the neighborhood including satellite service and others.

Phone call from Karen Vikesland:

Karen lives a few blocks from Valley View Playfield and asked if the cell antennae would be a radiation concern.

Phone call from Bill Pope:

Bill expressed his opposition to the proposal stating that the installation would be aesthetically unappealing noting that the water tower already houses multiple cellular antennae that makes it look ugly. He also mentioned his concern about the noise from the generator.

Comment received after the PARC agenda packet was sent out:

Phone call from Rob Conant Bloomington, MN:

- Inquired about the possibility of adding the antennae to the water tower where others are already located, why is another location being considered? The water tower location is further away from people and neighborhood housing.
- In relation to the installation of the antennae and lights in general, avoid any additional light pollution towards the neighborhood and continue to direct lights towards the fields and attempt to contain light in the fields.
- Appreciates the opportunity for healthy competition between cellular competitors and increased cell service as advertised by Verizon on their billboards.
- Concerned about noise pollution from the generator within the building, is this generator running full time, or a backup?