

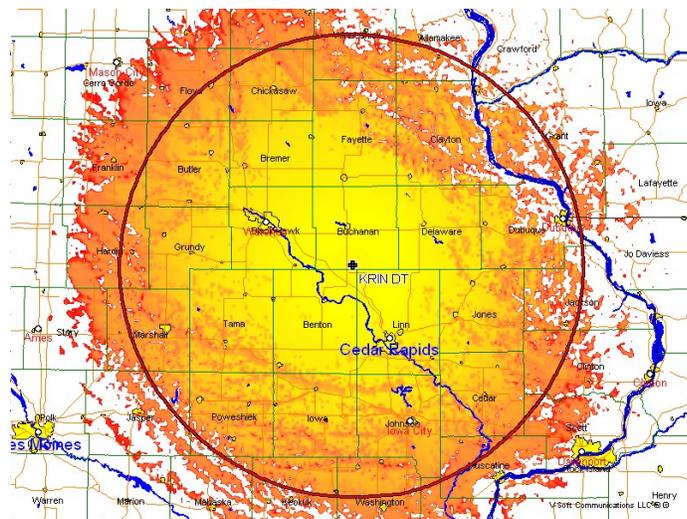
# OFFER FOR IOWANS

## Fy 2010 Budget Request

**Identifier:** 285\_TRA\_001

**Name:** Dubuque Translator Facility

IPTV is proposing the construction of a DTV translator facility to service the Iowa population that lives in the Dubuque area that does not receive service from KRIN in the Cedar Rapids/Waterloo area. Figure 1 shows the overall coverage of KRIN. The red circle indicates the signal coverage as calculated using the methodology approved by the Federal Communications Commission (FCC) which is the basis on how much power a station is allowed to broadcast. In relatively flat terrain such as is prevalent in most of Iowa, this methodology is either accurate or a little more conservative and tends to err on the side of under projecting



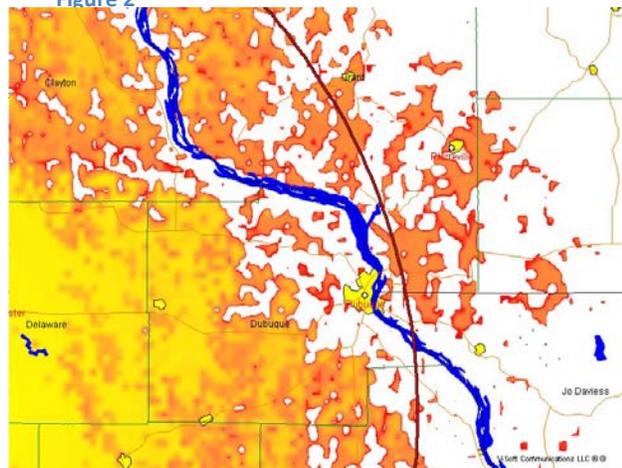
service. The yellow to red wash of color shows the calculations of service based on actual terrain mapping and clearly shows that in most directions, the actual service area of KRIN extends beyond the FCC project contour. The most notable exception is the area to the north east of the KRIN transmitter site. This is the area along the Mississippi River where the land transitions from relatively flat plains to rolling hills and bluffs.

Figure 2 is a detailed view of the area around

**Figure 2**

the community of Dubuque. Again

the red arc is the FCC contour and the yellow to red wash of color show the coverage based on terrain analysis. The areas of white that are intermixed with the yellow/red wash are areas that do not receive IPTV service from KRIN due to the physical obstruction of terrain shielding. In essence, these areas are behind hills and bluffs and therefore receive no over the air service. It can clearly be seen that the entire community



of Dubuque and the other Iowa communities along the Mississippi River are in the area of no service.

The project we are planning entails doing an engineering study to find a suitable location for the construction of a digital television translator station that would receive the service from KRIN and rebroadcast that service on another channel to fill in all of the “white space” area where no service is currently receivable. Preliminary analysis of the Iowa population who would receive first time over-the-air service or whose existing service would be significantly improved is in excess of 100,000. Iowa Public Television is seeking collaborative partners in Cedar Rapids/Waterloo to defray the costs of the translator system and to offer a true alternative to subscription based services.