

City of Puyallup



Region 43

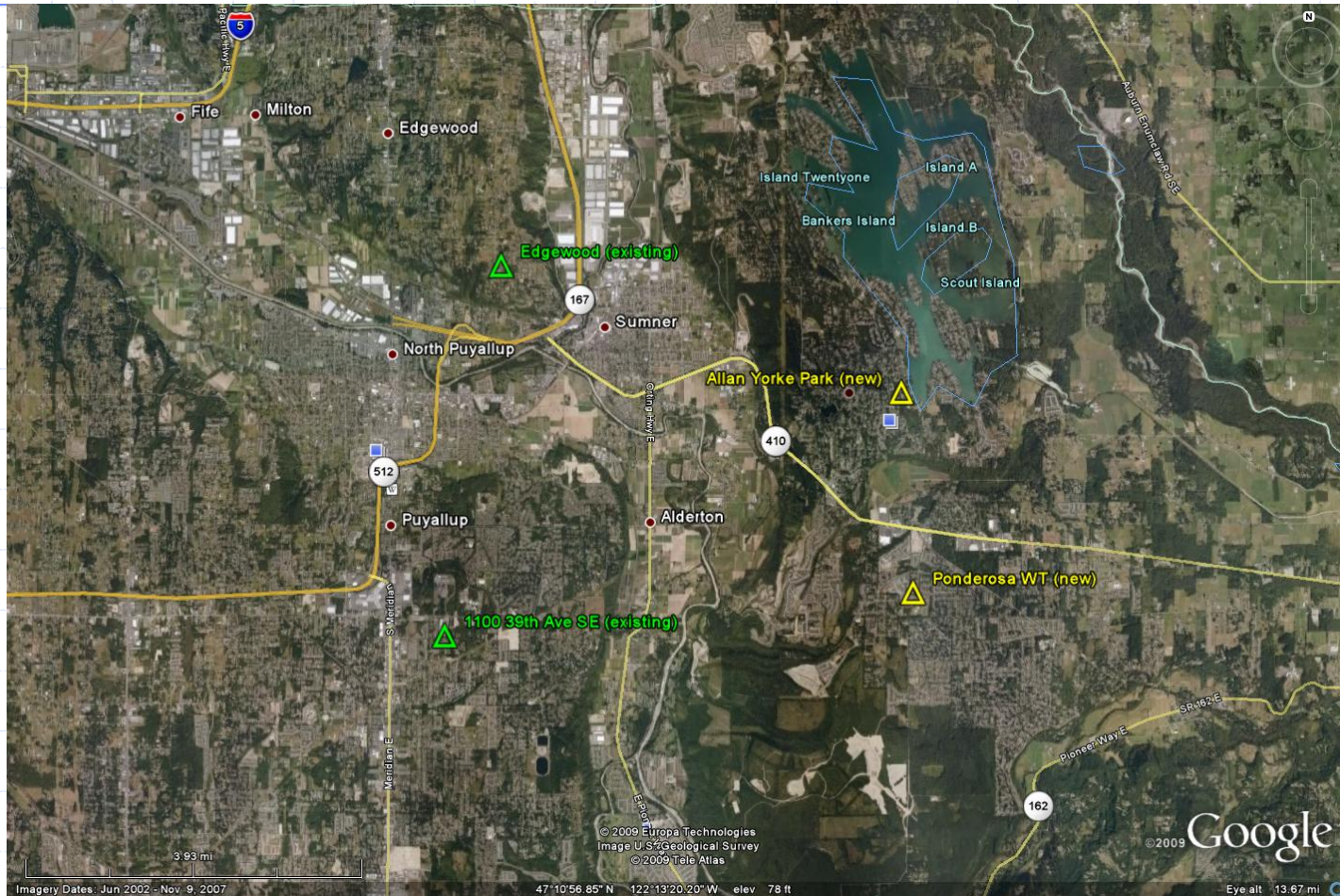
800 MHz NPSPAC

Coordination Application

System Description

- Public safety, shared-use
- Project is funded and under construction
- Current
 - 2-site simulcast
 - 5 trunked channels, all NPSPAC
 - 868.3500, 868.3750, 868.4000, 868.5000, 868.5750
 - Call sign WQEW939
- Proposed
 - 4-site simulcast
 - **Add 2 sites to existing**
 - Improve coverage to east, including Bonney Lake
 - Same 5 NPSPAC channels, no additional

Puyallup System Map



Co- & Adjacent-channel Users

- 868.3500
 - (No co-channel in Region 43)
 - SERS adjacent, 868.3375 & 868.3625
- 868.3750
 - (No co-channel in Region 43)
 - SERS adjacent, 868.3625 & 868.3875
- 868.4000
 - King County co-channel @ KCCH, RJC
 - SERS adjacent, 868.3875
 - WSDOT adjacent, 868.4125 (Dodge Ridge nearest)

Co- & Adjacent-channel Users

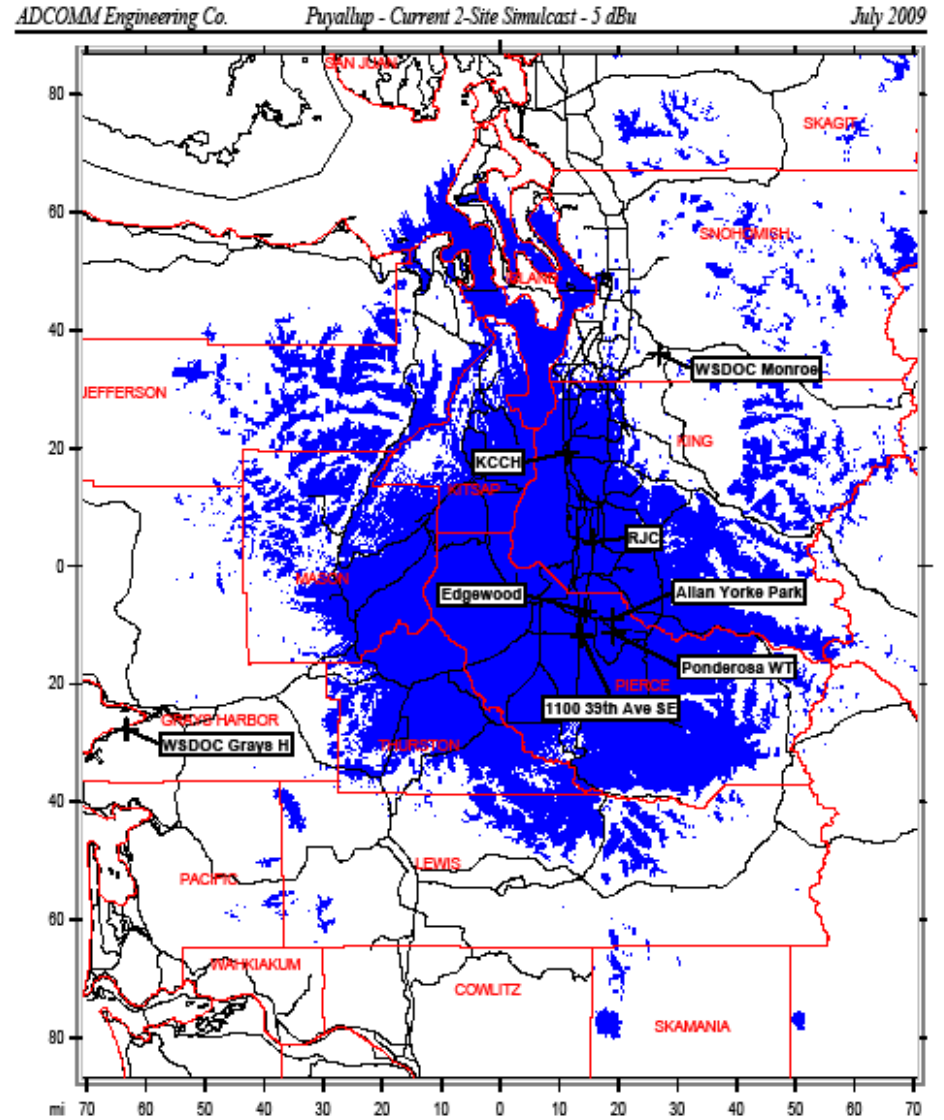
- 868.5000
 - WSDOC co-channel at Monroe, Aberdeen, *Shelton 6/24/09*
 - (No adjacent-channel in Region 43)
- 868.5750
 - King County at KCCH (and RJC, per 4/05 RPC Plan)
 - SERS adjacent, 868.5875

Contour Analysis

- Minimal expansion of 5 dBu interference contour
- Interference with co-, adjacent-channel users not anticipated
- Composite plots on following pages compare before and after 5, 25, 40 dBu contours
- Additional contours included in application

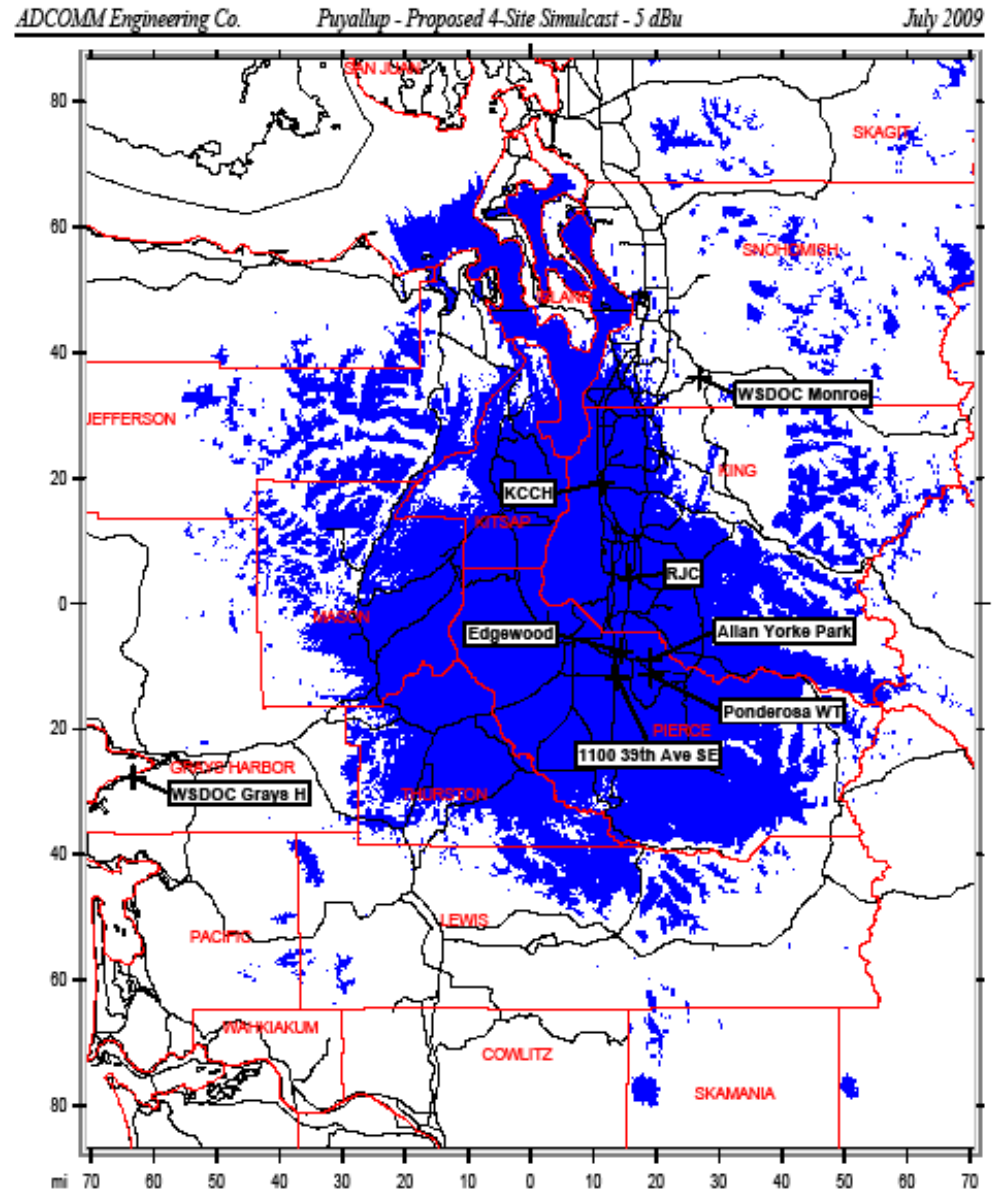
Coverage Plots

- Existing 5 dBu



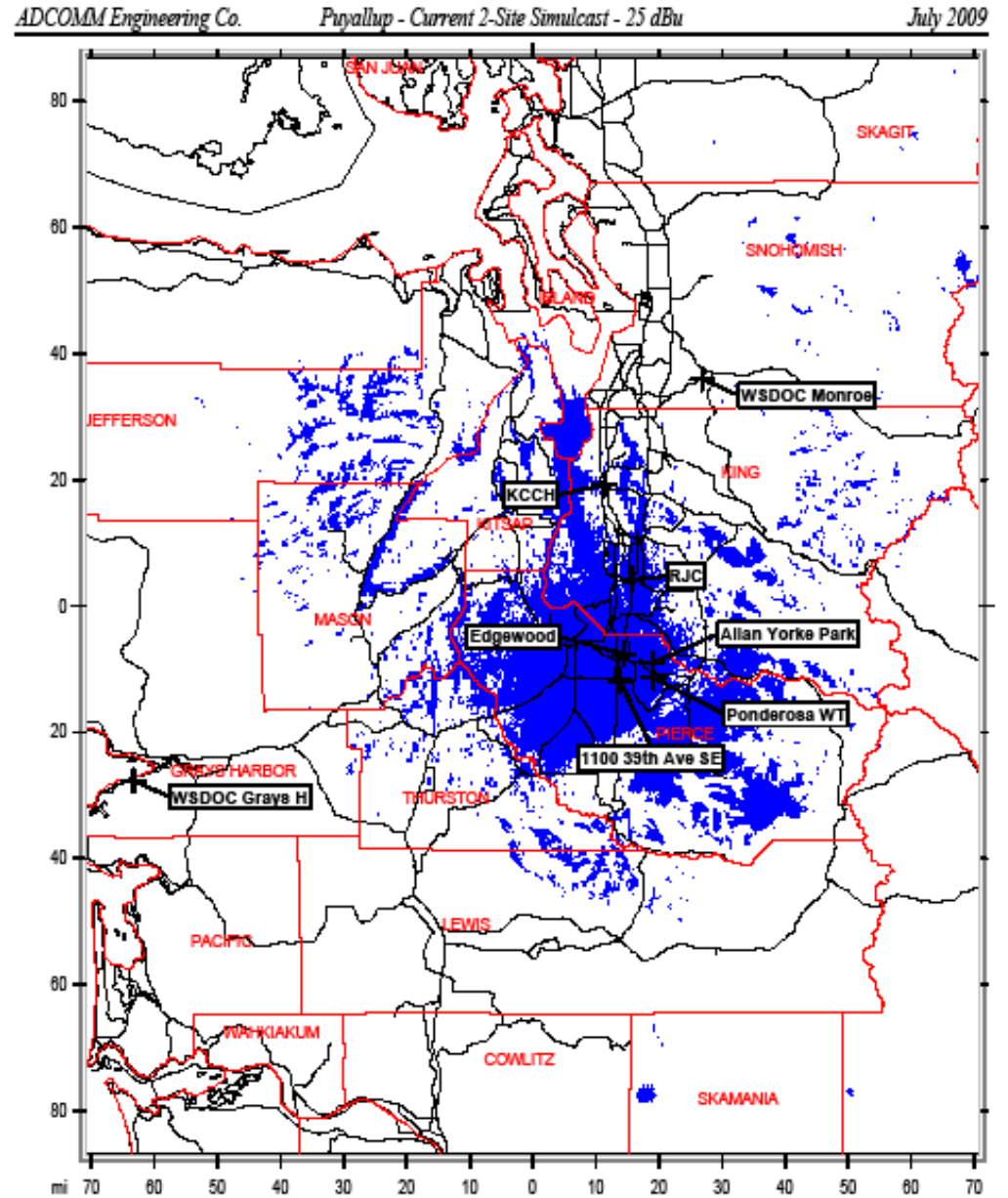
Coverage Plots

- Proposed 5 dBu



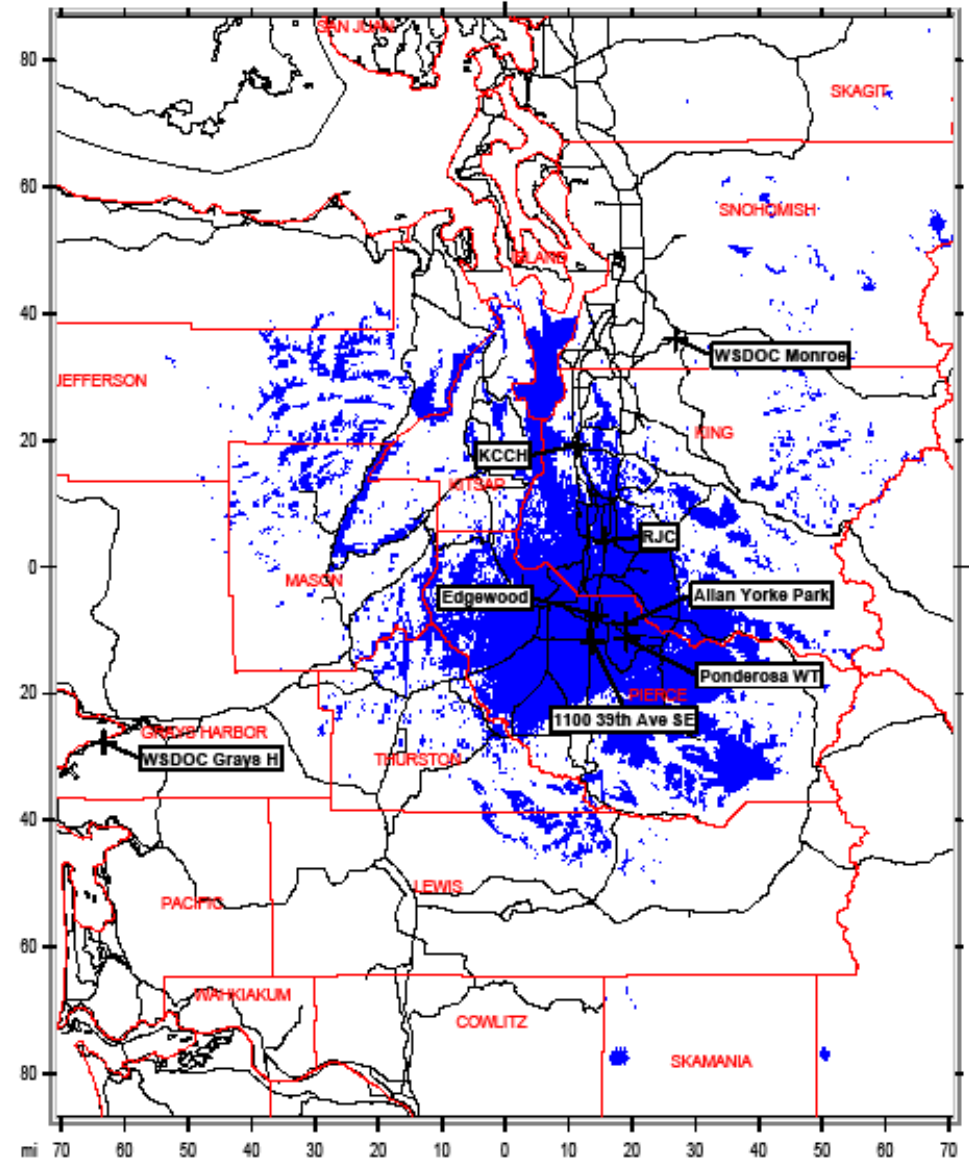
Coverage Plots

- Existing 25 dBu



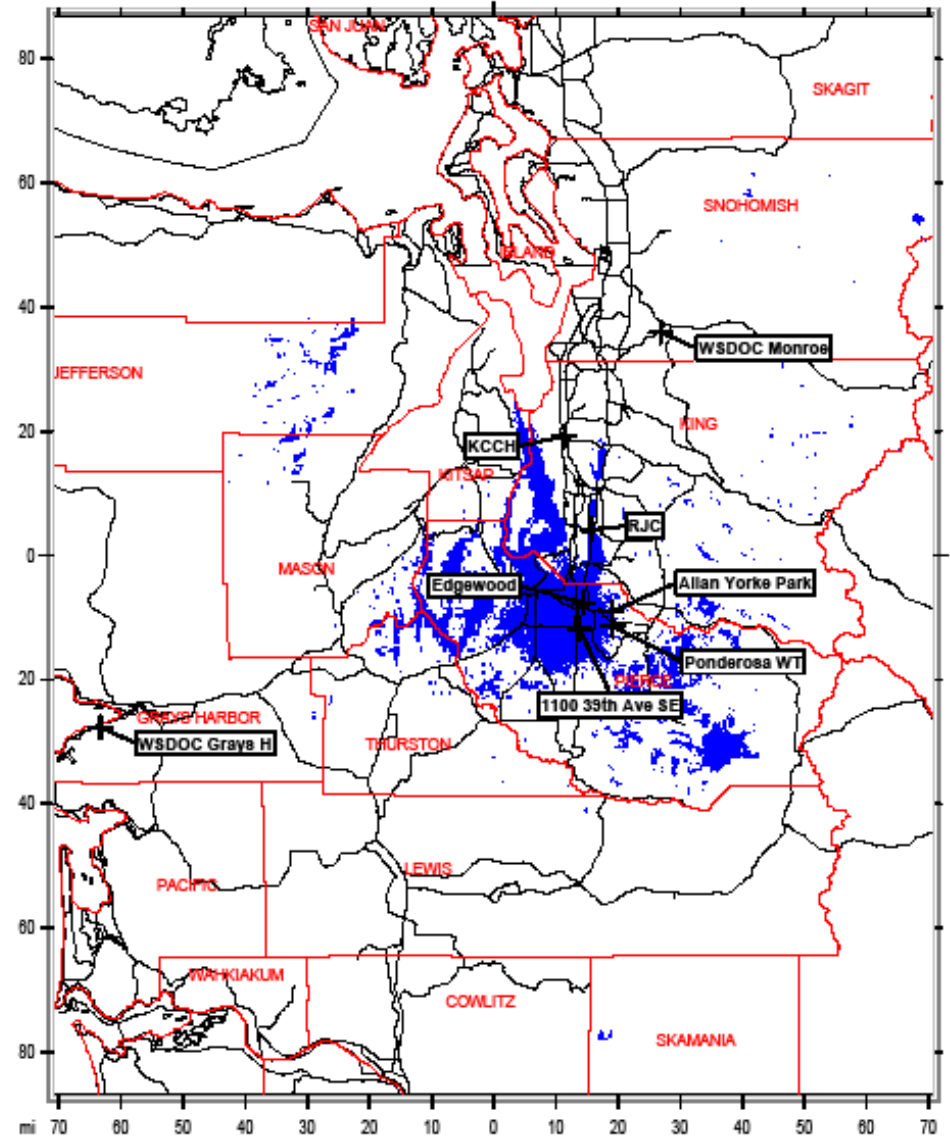
Coverage Plots

- Proposed 25 dBu



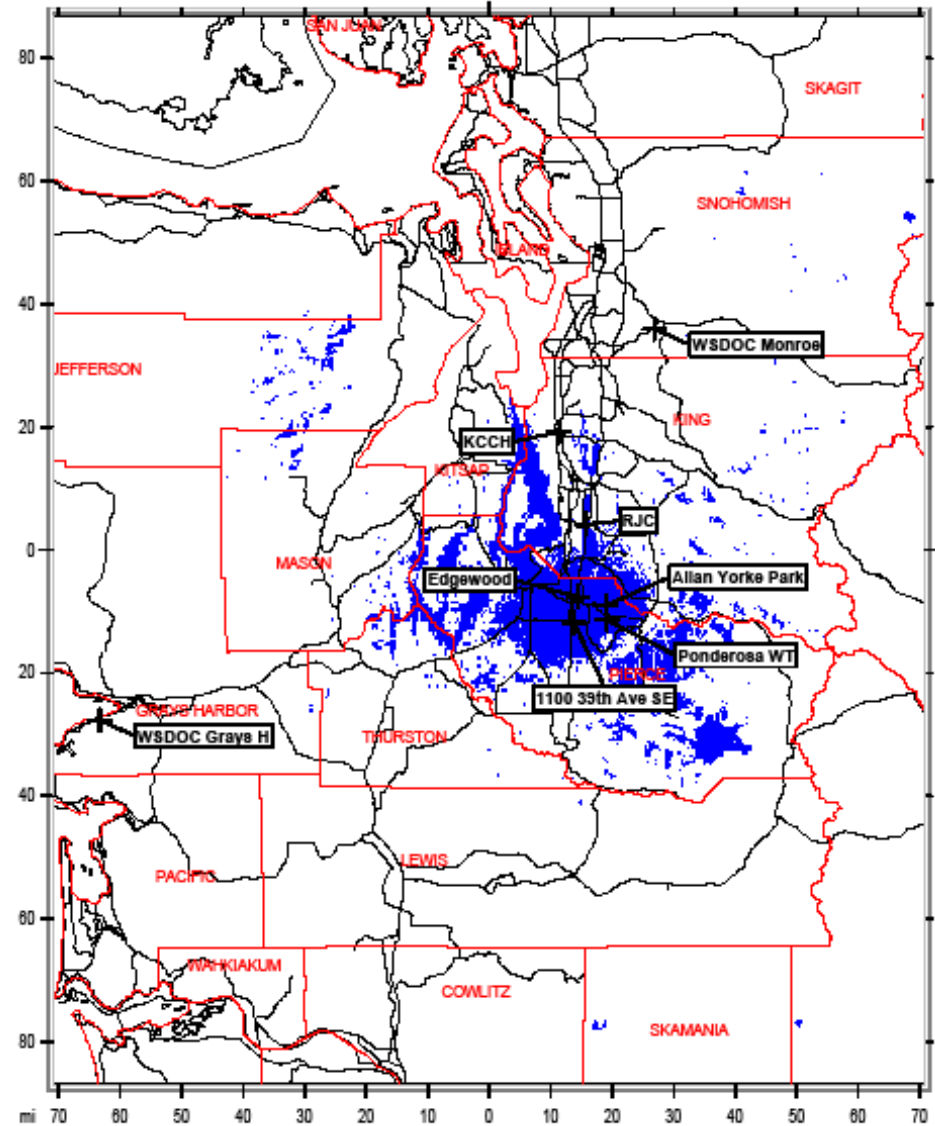
Coverage Plots

- Existing 40 dBu



Coverage Plots

- Proposed 40 dBu



- Questions?