



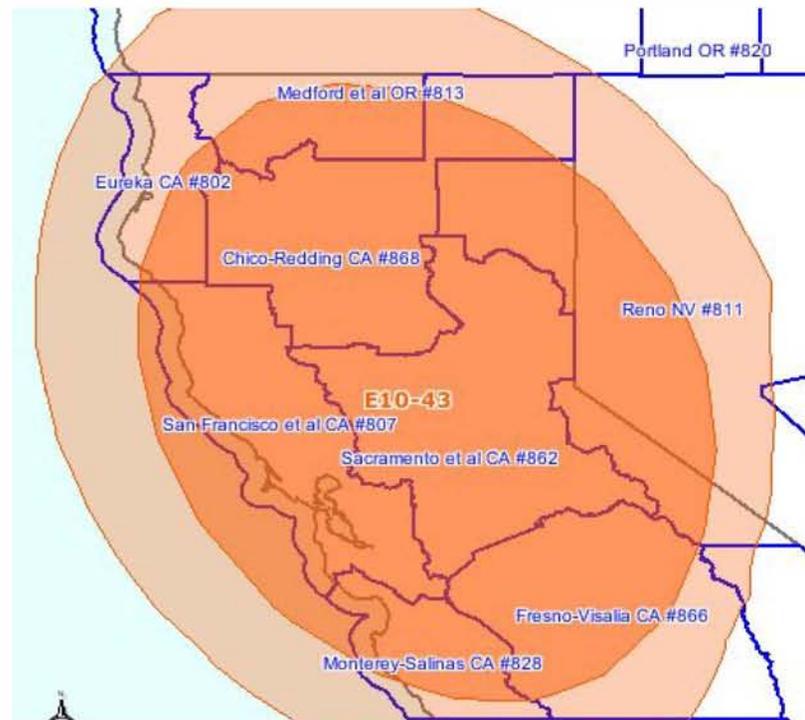
# Local Service Today

A mix of national capacity and spot beam capacity is used to deliver local broadcasters on DISH Network.

CONUS Beam



Spot Beams



# Effect of Transition on Bandwidth

Analog signal

HD digital signal

# Alaska/Hawaii

**HD Obligation in effect  
since June 2007**

**Many must carry stations  
do not have HD content.**

**Transponder capacity has  
to be reserved on our  
system either way.**

**Effectively one-third the transponders  
dedicated to Alaska/Hawaii are empty.**

# DISH Network

Current Fleet (1995 to present)

Future HD Must Carry Satellites

Echo I

Echo II

Echo III

Echo V

Echo VII

Echo VIII

Echo X

Echo XII

DISH Network is at capacity today: virtually all national transponders and spot beam transponders are fully loaded

# Timing

Cable HD must carry.

Cable HD must carry established 1/01.  
8 years to address compliance.

2016

House Bill

Satellite down-conversion rights.

2014

DBS Industry

Needs time to satisfy new rules.

2013