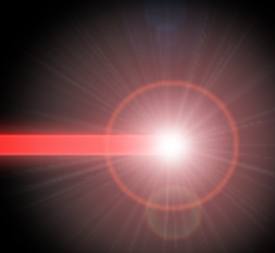


# Cable TV Report: DOCSIS 3.0

Minnesota Ultra High-Speed Broadband Taskforce  
December 19, 2008

David Diers  
Vice President of Advanced Services  
Comcast Twin Cities Region



# Comcast in the Marketplace

- Most HD video choices; largest residential broadband provider; fourth largest phone company
- Nation's leading fiber optic network
- \$400 million fiber optic network upgrade in the Twin Cities Region
- Advanced local network monitoring and reliability
- Fastest broadband speeds for residential and business



# Comcast Rolls out Super-fast Internet Speeds

*Reuters April 2, 2008*

“Comcast, the largest US cable television operator, said it has started offering a super-fast Internet service. The new premium service was launched in the Twin Cities areas of Minneapolis-St. Paul, and marks a leap in connection speeds for Comcast. The new service offers speeds starting at 50 megabits per second . . . .”



# From Broadband to Wideband

*Minnov8 October 22, 2008*

“Comcast today announced it is making the leap from broadband to wideband with the launch of next-generation DOCSIS 3.0. With wideband, Comcast will introduce a brand new echelon of Internet speed tiers, which will redefine the customer experience online and create a platform for Internet innovation in the years ahead.”



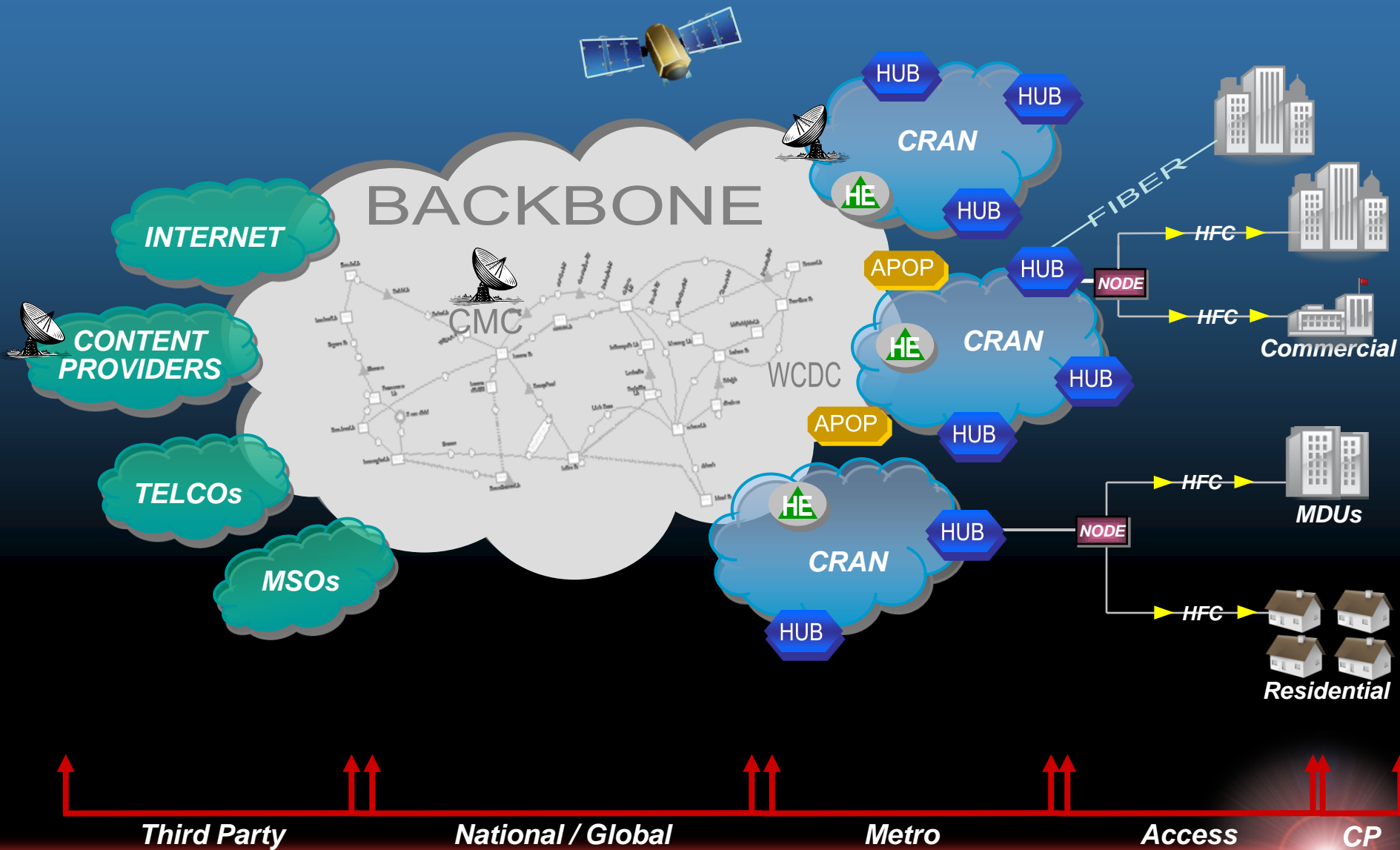
# Comcast Boosts Speeds; Holds Prices

*Minneapolis Star Tribune Oct 21, 2008*

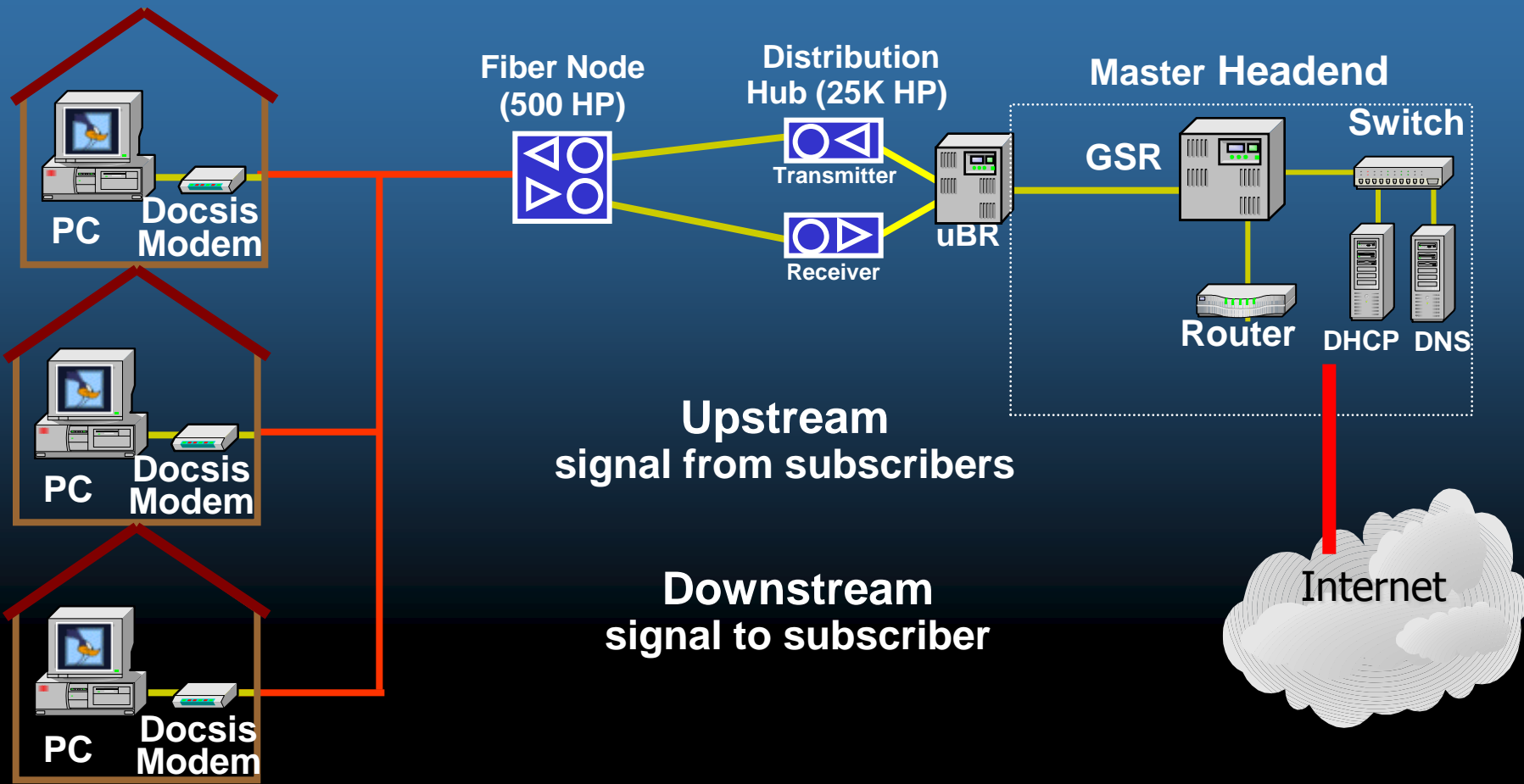
“Twin Cities customers are the first in the nation to get the boost in high-speed Internet.”



# Comcast Network



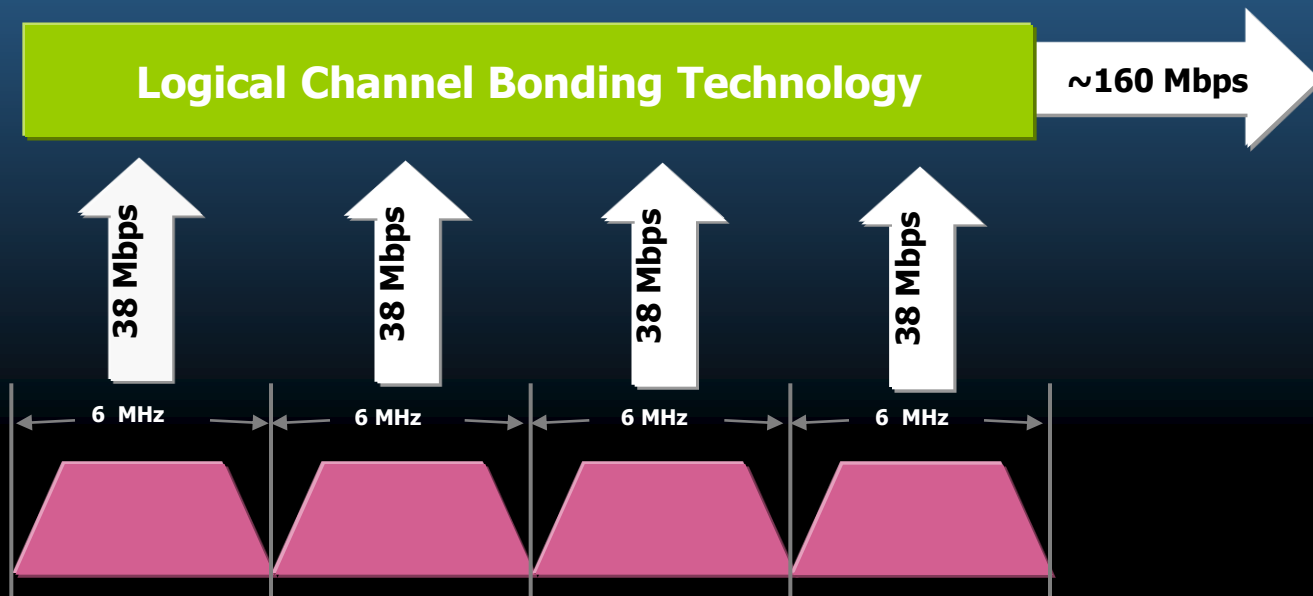
# HFC Network



*Over 418 Terabytes of information and entertainment into an average household every month – equivalent to 20 Libraries of Congress!*

# Channel Bonding for Broadband

DOCSIS 3.0 is the next generation of the DOCSIS standard



Increased speeds 100Mbps+  
Significant reduction in cost per bit



# Downloading with New Speed Tiers

	Size	Extreme 50 Mbps	Ultra 22 Mbps	Performance 12 Mbps
HD Movie	6 GB	16 Mins	36 Mins	67 Mins
DVD	4.7 GB	12 Mins	28 Mins	52 Mins
SD Movie	2 GB	5 Mins	12 Mins	22 Mins
CD ROM	700 MB	1 Min 52 sec	4 Mins	8 mins
MRI Scan Hi-Res Image	100 MB	16 sec	36 sec	1 Min 7 sec

Note: Many factors affect speed. Actual speeds may vary. Speeds calculations do not include PowerBoost. PowerBoost provides additional speed to the Performance and Ultra Tiers (download speeds of up to 15 Mbps with Performance and up to 30 Mbps with Ultra).



**Questions?**

