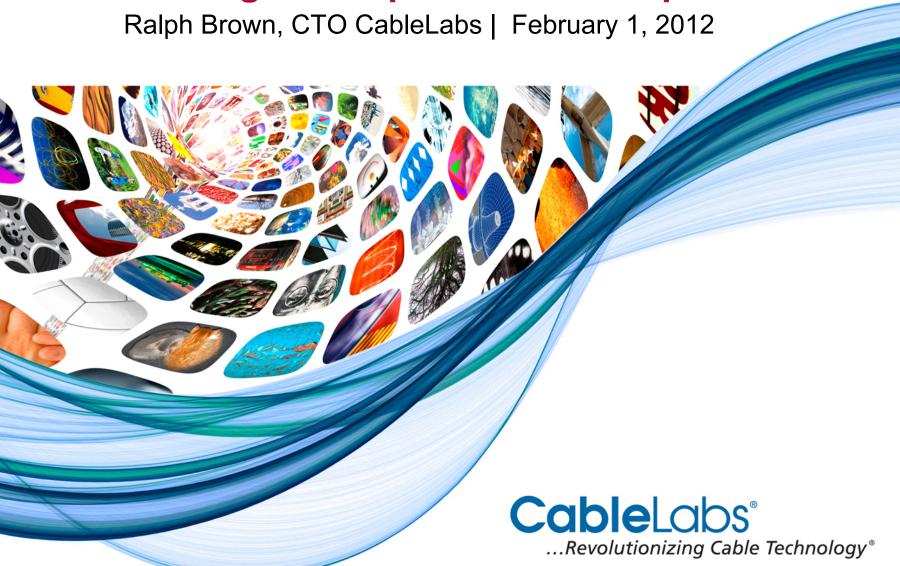
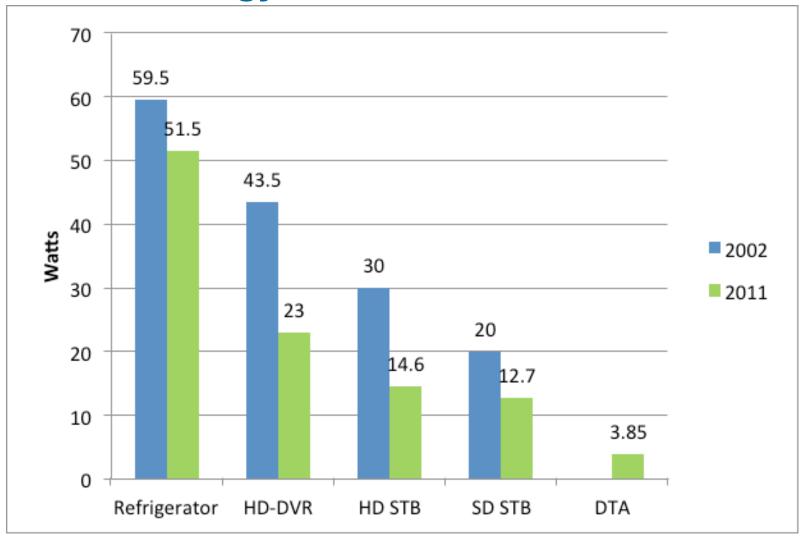
# **CalPlug Set-Top Box Workshop**



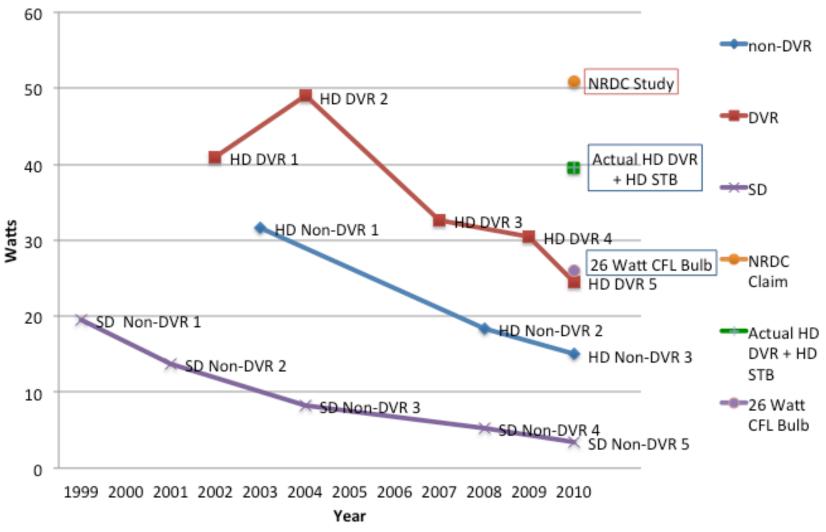


# **Historic Energy Reductions In Cable STBs**





# **Power Consumption by Year of New Models**





Diversity of Cable Devices & Functionality	
Device	Description



HD DVR STB provides linear TV (both SD & HD), DVR, VoD, and optionally may be the server for multi-room DVR



HD STB provides linear TV (both SD & HD), VoD, and optionally may be the client for multi-room DVR

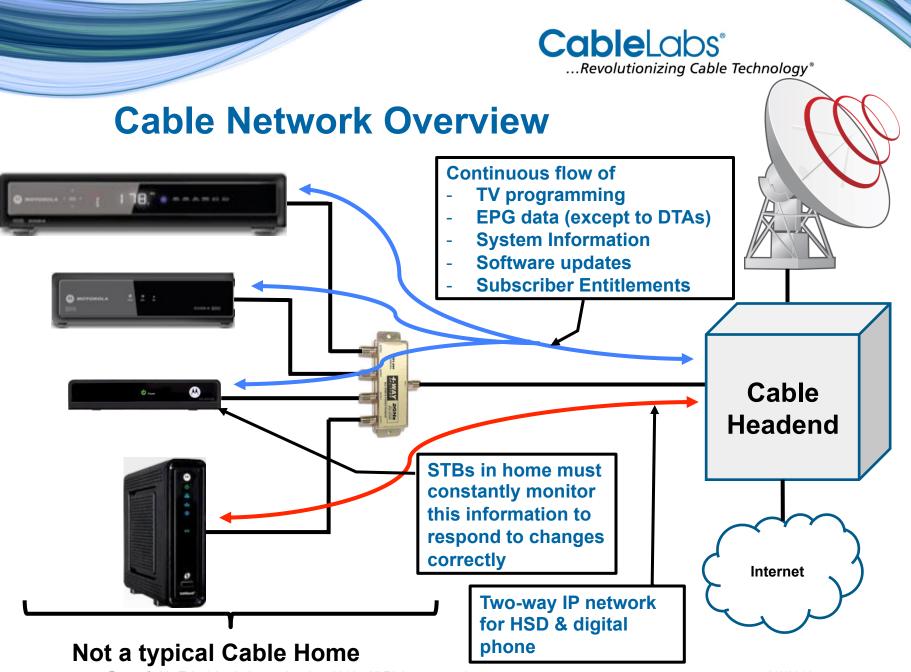


DTA STB provides linear TV (SD & HD) only



### Small network devices:

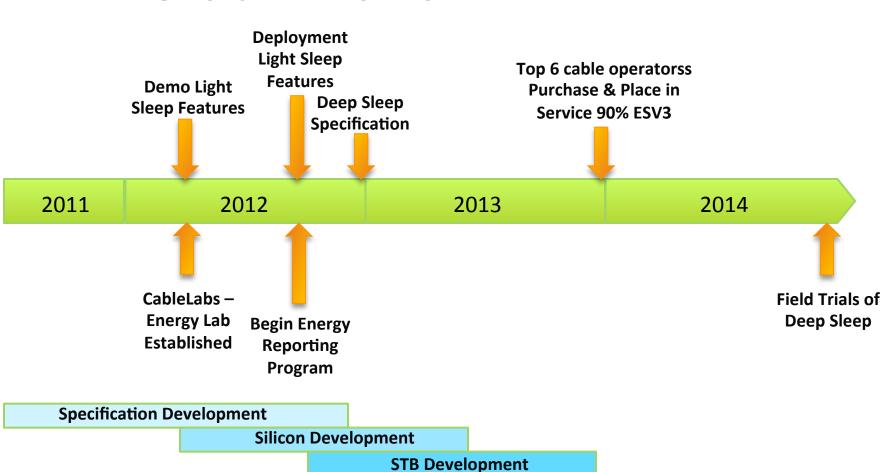
- Cable Modem provides High Speed Data (HSD) service
- Media Terminal Adaptor provides digital phone service and optionally HSD
- Gateway provides HSD, home networking, and digital phone service





**Software Development** 

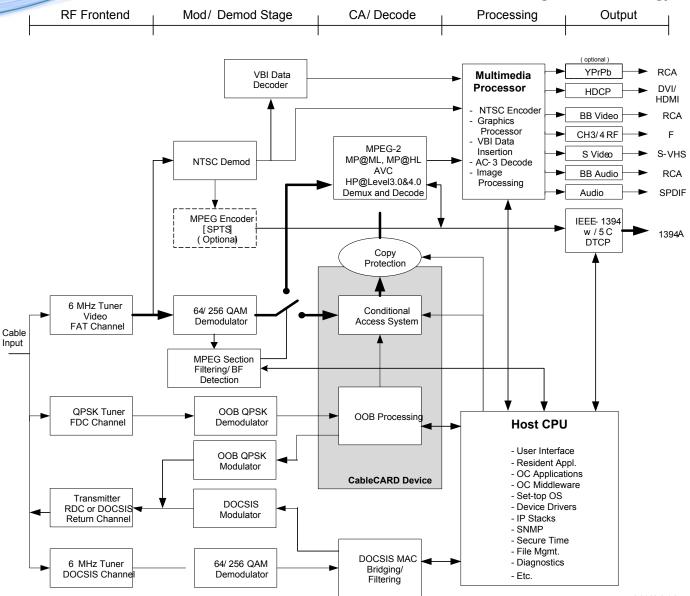
### **Overall Timeline**



**QA and Operational Readiness** 

## **Cable**Labs®

...Revolutionizing Cable Technology®





# **Potentially Impacted Specifications**

- tru2way™
  - o OpenCable™ Host Device Specifications:
    - OC-SP-HOST2.1-CFR-I15-120112 OpenCable Host Device
    - OC-SP-CCIF2.0-I24-120112 CableCARD Interface (CCIF)
    - OC-SP-HOST2-DVREXT-I03-110512 Host 2.X DVR Extension
    - OC-SP-HOST-HN2.0-I06-120112 OpenCable Host Home Networking Extension 2.0
  - OpenCable Application Platform (OCAP):
    - OC-SP-OCAP1.2.1-120112 OpenCable Application Platform
    - OC-SP-OCAP-DVR-I08-120112 OCAP Digital Video Recorder
    - OC-SP-OCAP-HNEXT-I08-120112 OCAP Home Networking Extension
- DOCSIS®
  - CM-SP-MULPIv3.0-I17-111117 MAC and Upper Layer Protocols Interface Specification
- New Energy Specifications