

April 2, 2014

Presentation Outline

- I. Introduction (1 Slide)
- II. Overview Goals - World Class Performing Arts Facility (1 Slide)
 - A. Proper Facilities
 - Mechanical Depth 1 & 2 System Overview
 - B. Conscious Consumption
 - Energy Evaluation for ACB and DCV
 - C. Economically Feasible
 - Incorporates First Cost/LCC Analysis
 - D. Acoustically Correct
 - Breadth 1 Acoustics
 - Odeon & Dynasonics
- III. General Building Information (2 Slide)
- IV. Active Chilled Beams
 - A. Option A (3 Slide)
 - System Zoning
 - Energy reductions
 - Cost Impacts - First Cost/ LCC Cost
 - B. Option B (3 Slide)
 - System Zoning
 - Energy reductions
 - Cost Impacts - First Cost/ LCC Cost
- V. Demand Based Ventilation (3 Slide)
 - A. Evaluation
 - B. Results
- VI. Breadth - Acoustics
 - A. Old design to New design (1 Slide)
 - B. Parameters to study
 - Reverberation time - Material & Geometry (1 Slide)
 - Background Noise Level (1 Slide)
 - C. Remarks (1 Slide)
- VII. Recommendations (1 Slide)
 - A. Chilled Beams - Option A & Option B
 - B. Demand Controlled Ventilation
 - C. Acoustics
- VIII. Conclusion/Acknowledgements (1 Slide)

Total: ~19 Slides