Operations Division

315 - "Best Practices" for Plant Organization & Operations

This session will examine Texas Tech University's approach to optimizing central plant utility production. The session will begin with a discussion of the ongoing journey of continuous improvement. It will focus on the strateguest de achieve cost savings even after what was thought to be the low hanging fuit was had. This class will review both a plant and larger scale campus, data driven, approach to optimization practices where seasonal operating matrices are adjusted based on data collected. This concept can be applied in other areas of facilities management where data is collected but not made actionable.

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Change is good!









Change According to TTU Utilities







1882 - Thomas Edison opens the world's first power plant.





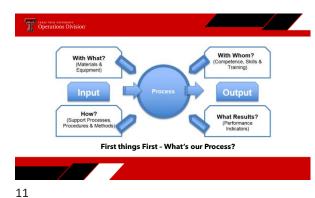
Texas Tech University Central Heating & Cooling Plant 1

es heating & cooling for 10 m

- topare feet 3 team turbine-powered centrifugal chillers (30007 45007, 60007 and 2 elec-chillers (30007 elec) 1 natural gas-fred boilers (125KPH 175KPH, 200KPH, 60005, 17506 reduced to 80psi / 3506 feor campus sup 175mi Utility Turnels, 75M gallons CW, Compressed Air & RO Water 20MW Cogeneration Plant?















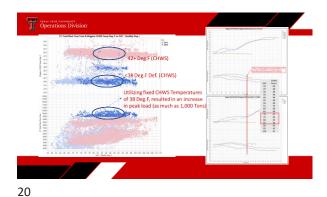


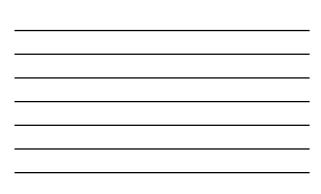
Operations Division	
Agenda	
A. Plant Operating Costs and Si B. Chilled Water Optimization C. Utilizing Performance Metric:	

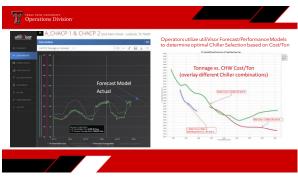




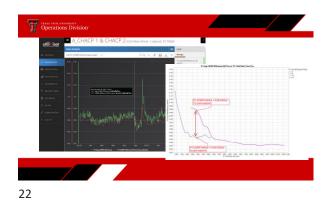
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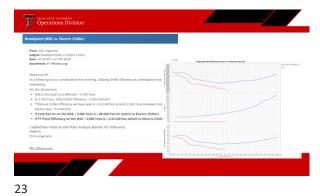














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Credit(s) earned on completion of this course will be reported to American Institute of Architects (AIA) Continuing Education Session (CES) for AIA members.

Certificates of Completion for both AIA members and non-AIA members are available upon request.

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