

REINHOLD ENVIRONMENTAL Ltd.



**2017 APC & Wastewater Round Table  
& Expo Presentation**

July 17 & 18, 2017 in Charlotte, NC / Hosted by Duke Energy

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# ELG/ Cross Media Optimization Test Plan Update

## 2017 PCUG Meeting

Stephen Langham  
July 17, 2017



# Post MATS Operation



## Objective

- Hg and PM Compliance achieved at lowest O & M cost.

## Result

- SCR/ Wet FGD co-benefits
- ACI equipment used as trim control (seasonal)
- HLI optimization for plume control and ESP/ Ash Handling performance.

# ELG/ Cross Media Optimization



## Objective

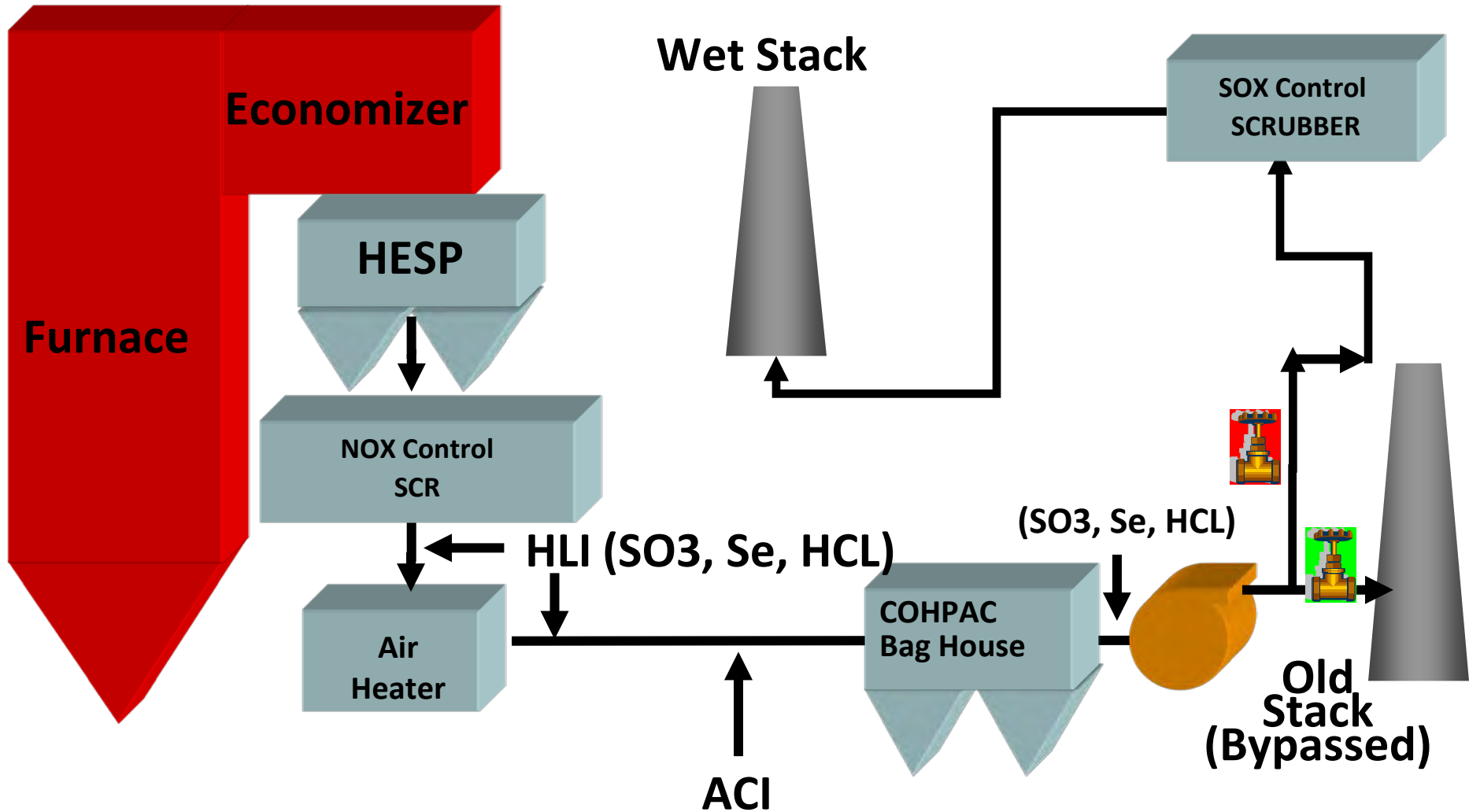
- Optimize Selenium and Mercury capture upstream of the scrubber to increase ELG compliance margins.

# Baghouse Application



- Evaluate Selenium captured across the Baghouse with advanced hydrated lime
- Determine the impact to the Scrubber Slurry and Baghouse Byproduct (Selenium and Chlorides)

# Baghouse Application

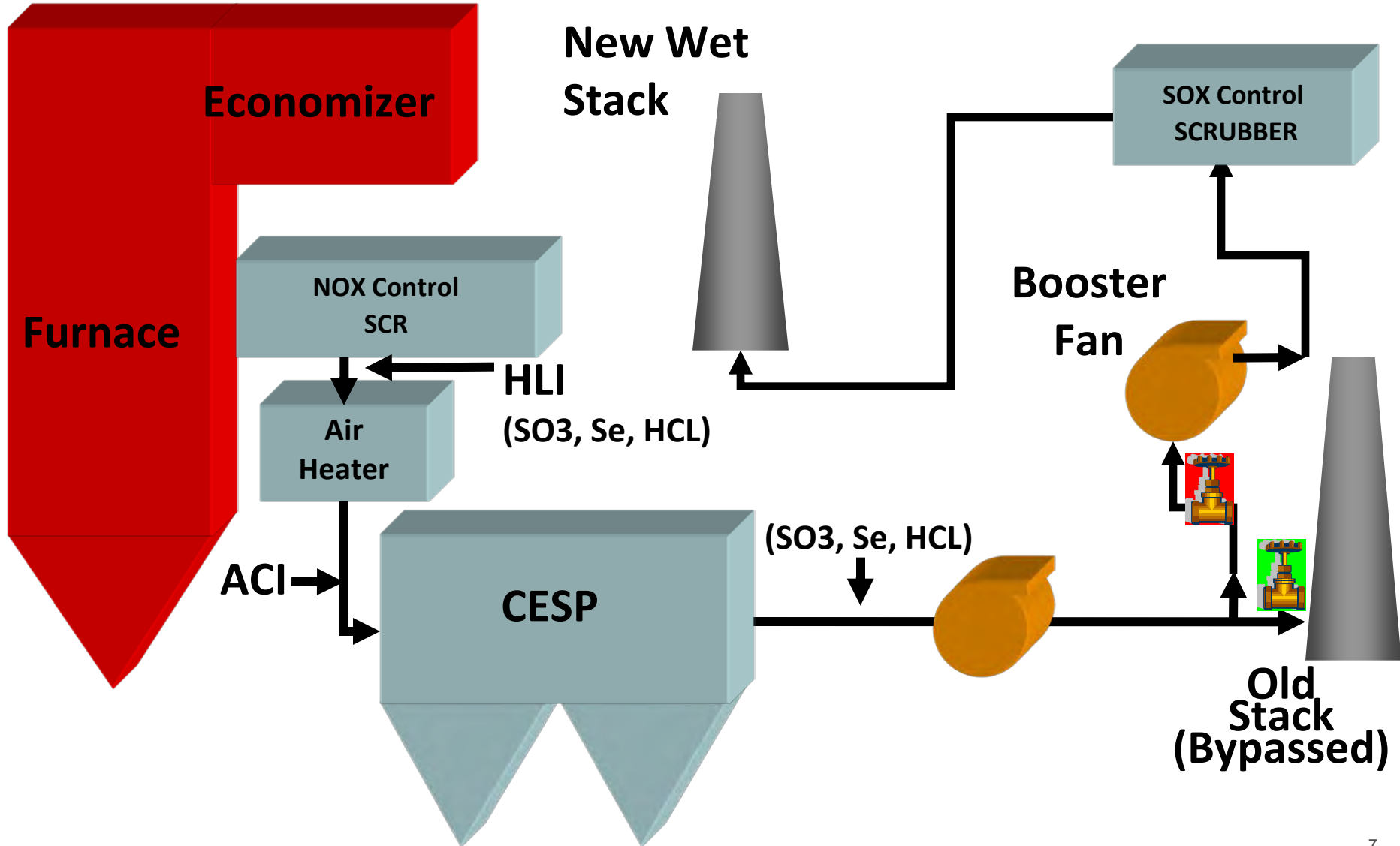


# ESP Application



- Evaluate Mercury and Selenium captured across the ESP with;
  1. Advanced Hydrated Lime
  2. New HLI Lanceless Injection Technology
  3. Non Brominated and Advanced Carbons
- Determine the impact to the Scrubber Slurry and ESP Byproduct (Selenium, Mercury, and Chlorides).

# ESP Application





# Thank you



# Questions?