

# **Sustainable Energy Strategies:** ***Action is Louder than Words***



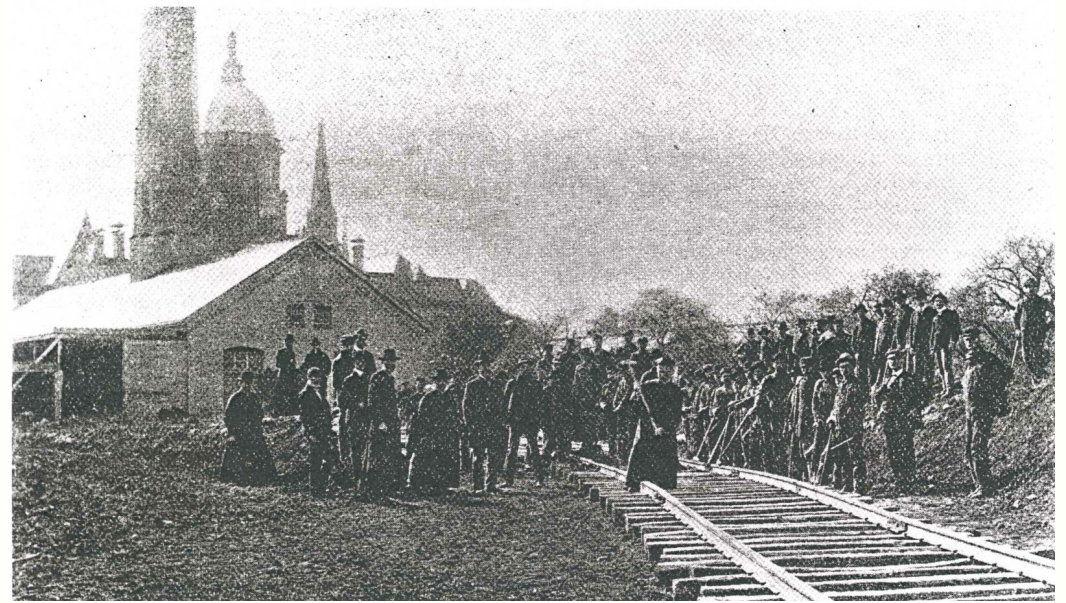
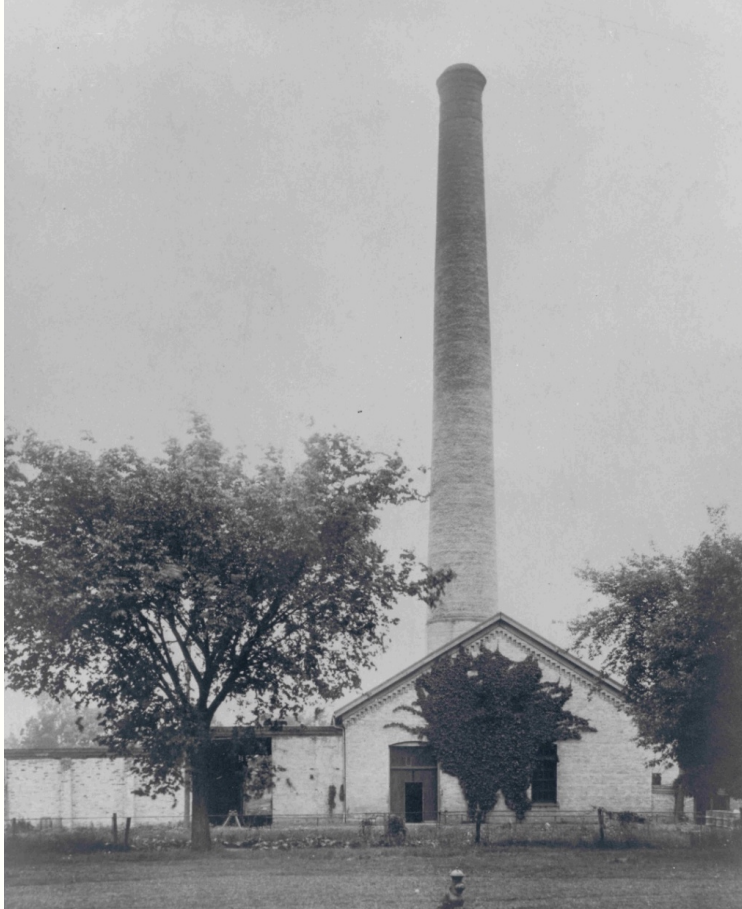




## Utilities Long Range Plan





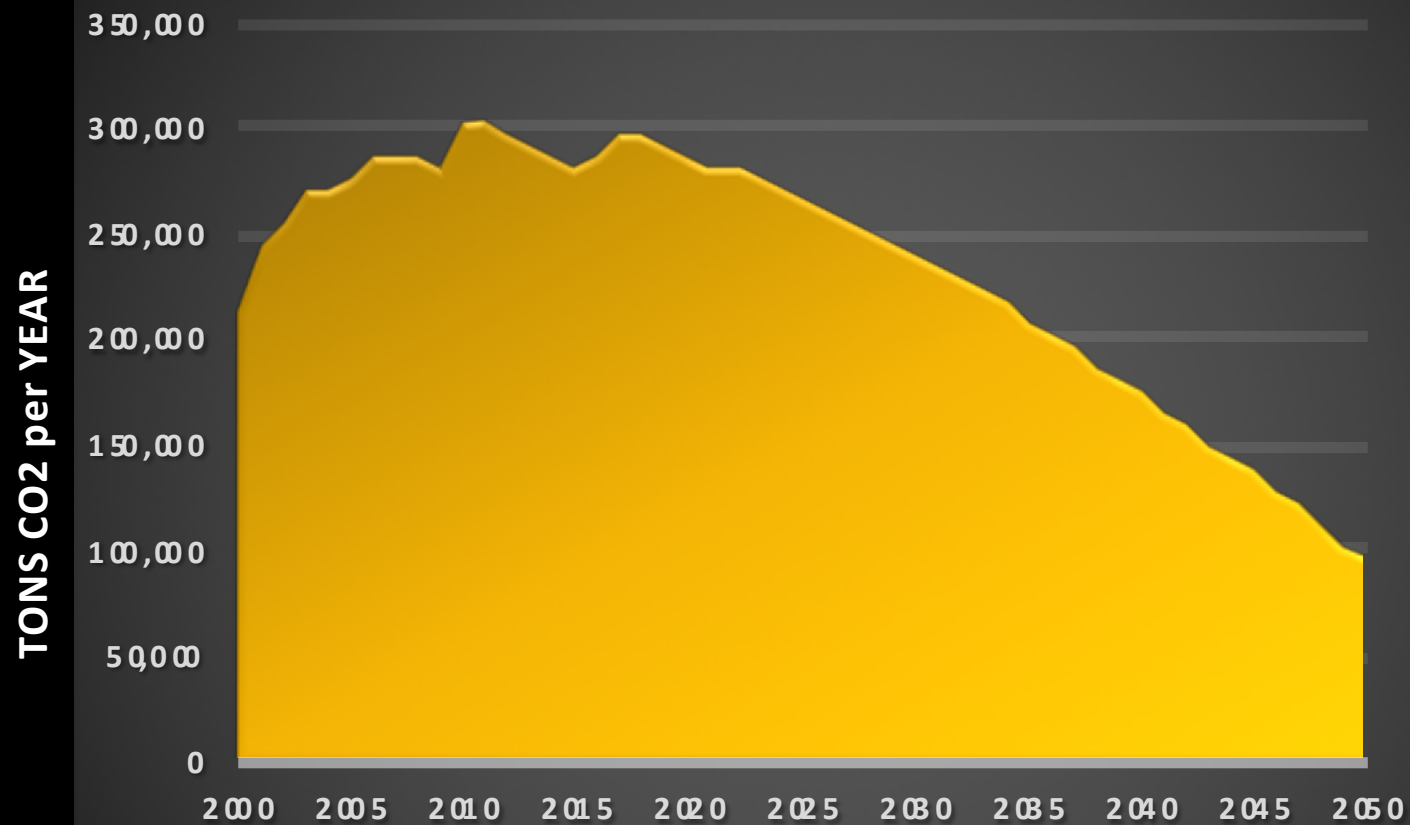






## Utilities Long Range Plan





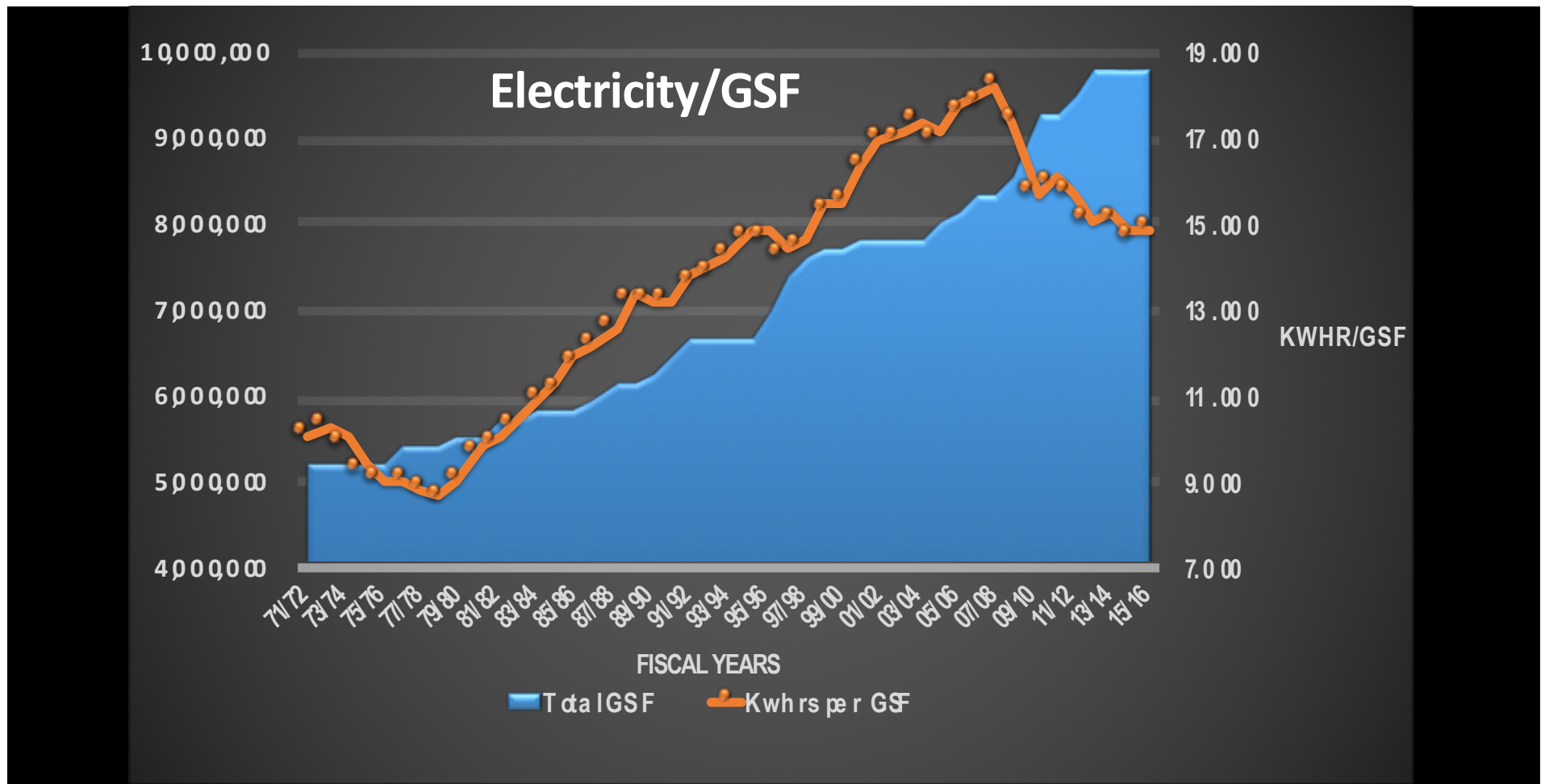
**CO2 Reduction Wedge Diagram thru 2050**





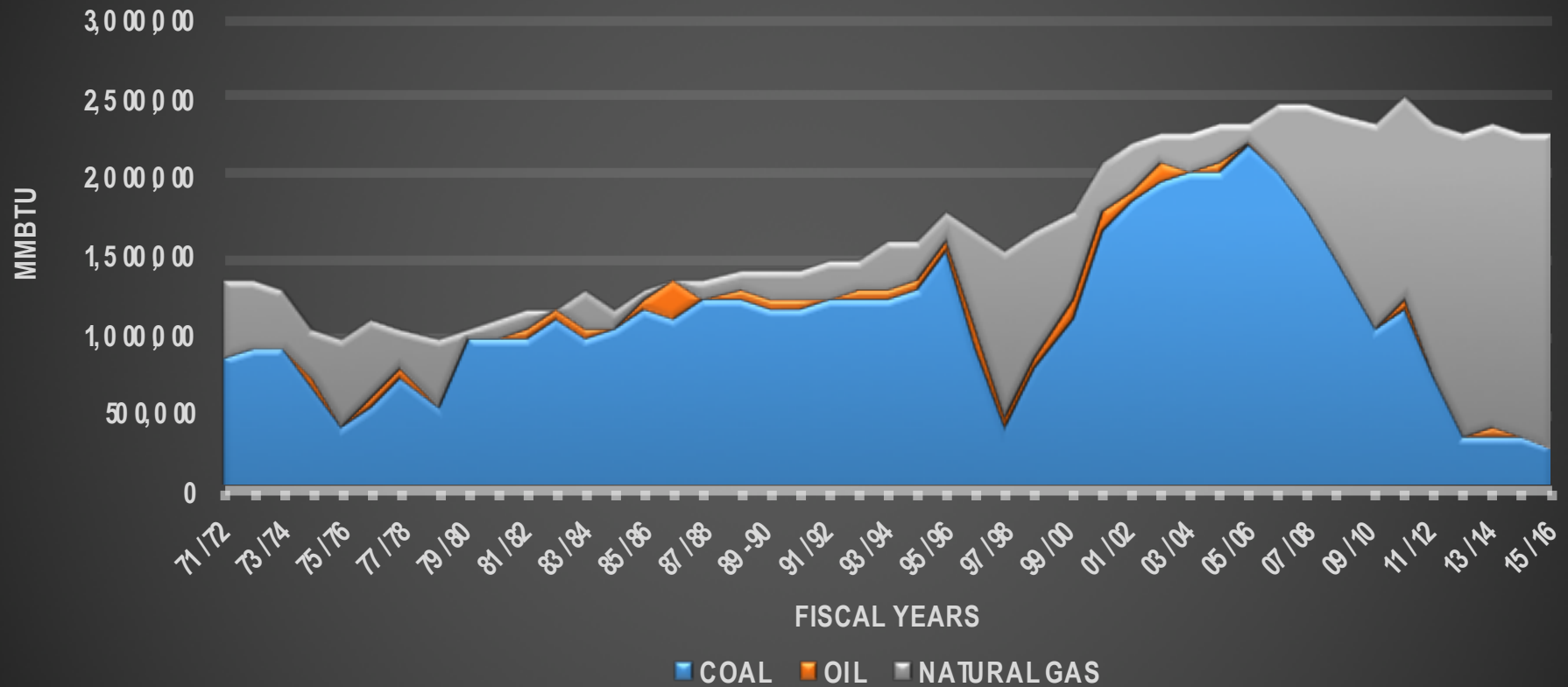
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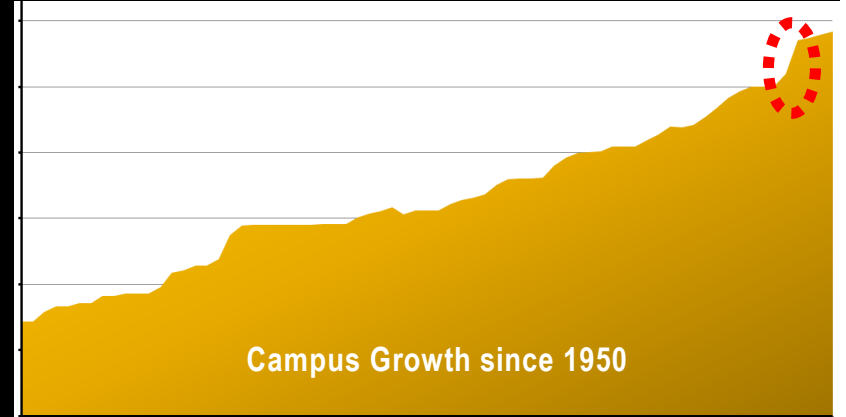






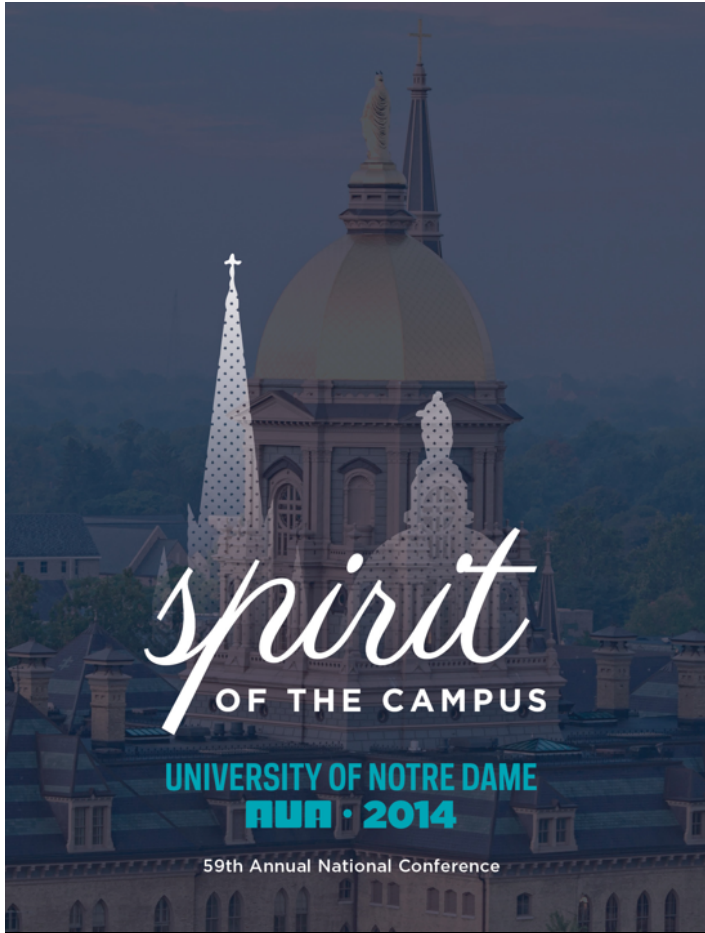
## Fuel Inputs





**In a 12-month span**  
**(Aug. 2016-Aug. 17) the University**  
**opened eight new buildings**  
**(1.2M SF/ \$775M),**  
**a 12% overall growth of campus**





## Utilities Long Range Plan

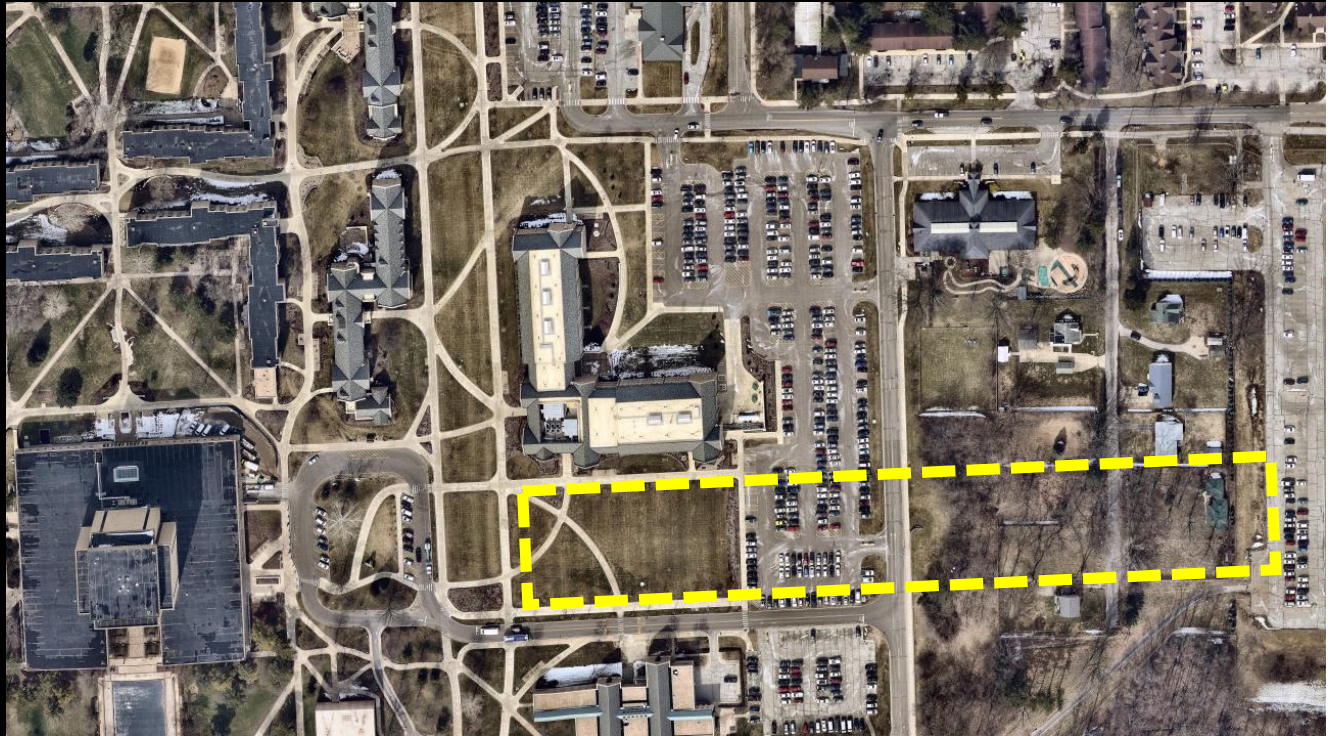
























## Utilities Long Range Plan





ASSOCIATION OF UNIVERSITY ARCHITECTS  
**AUNPHL2018**

## Utilities Long Range Plan

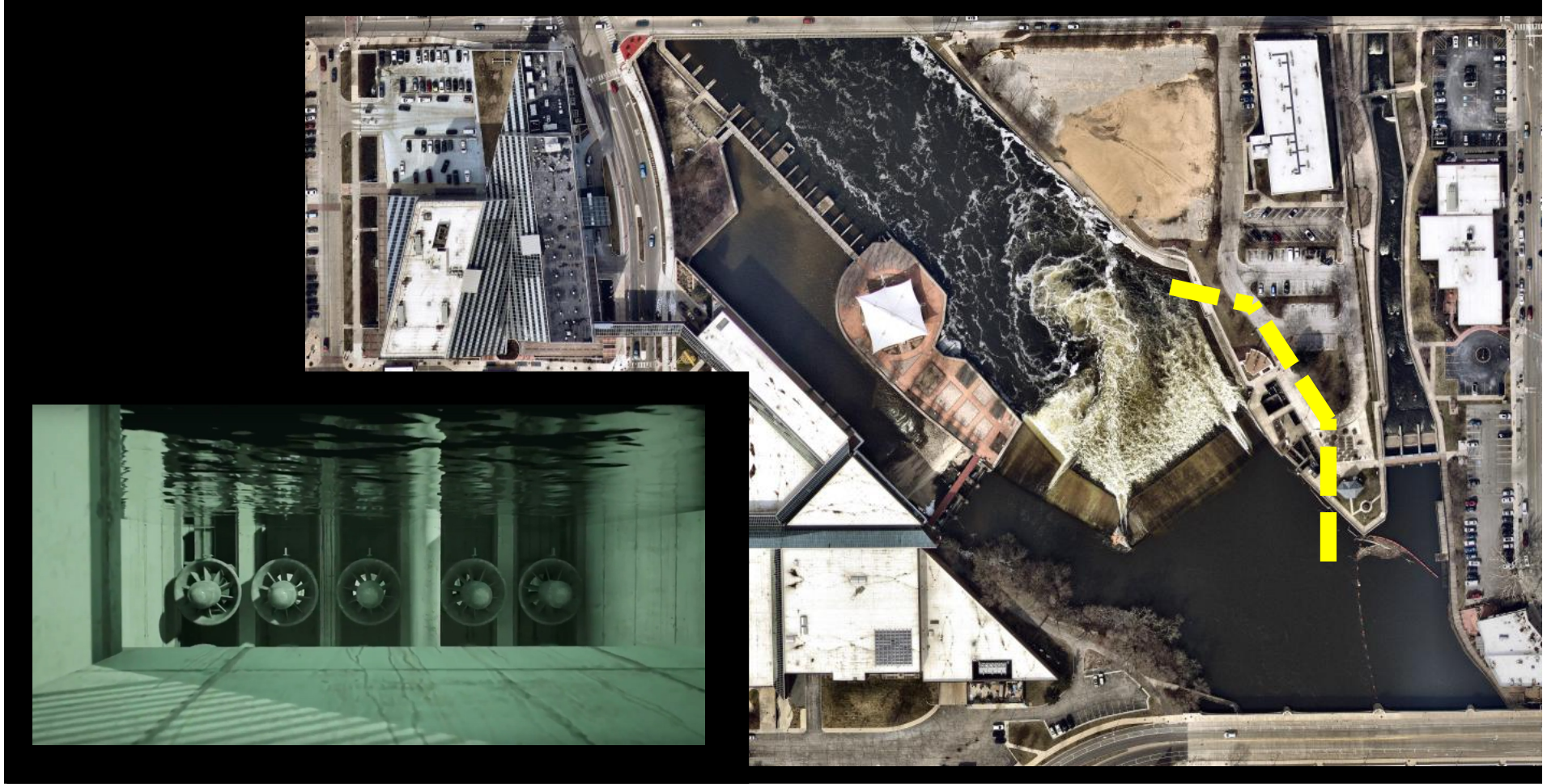


 **UNIVERSITY OF  
NOTRE DAME**  
FACILITIES DESIGN AND OPERATIONS



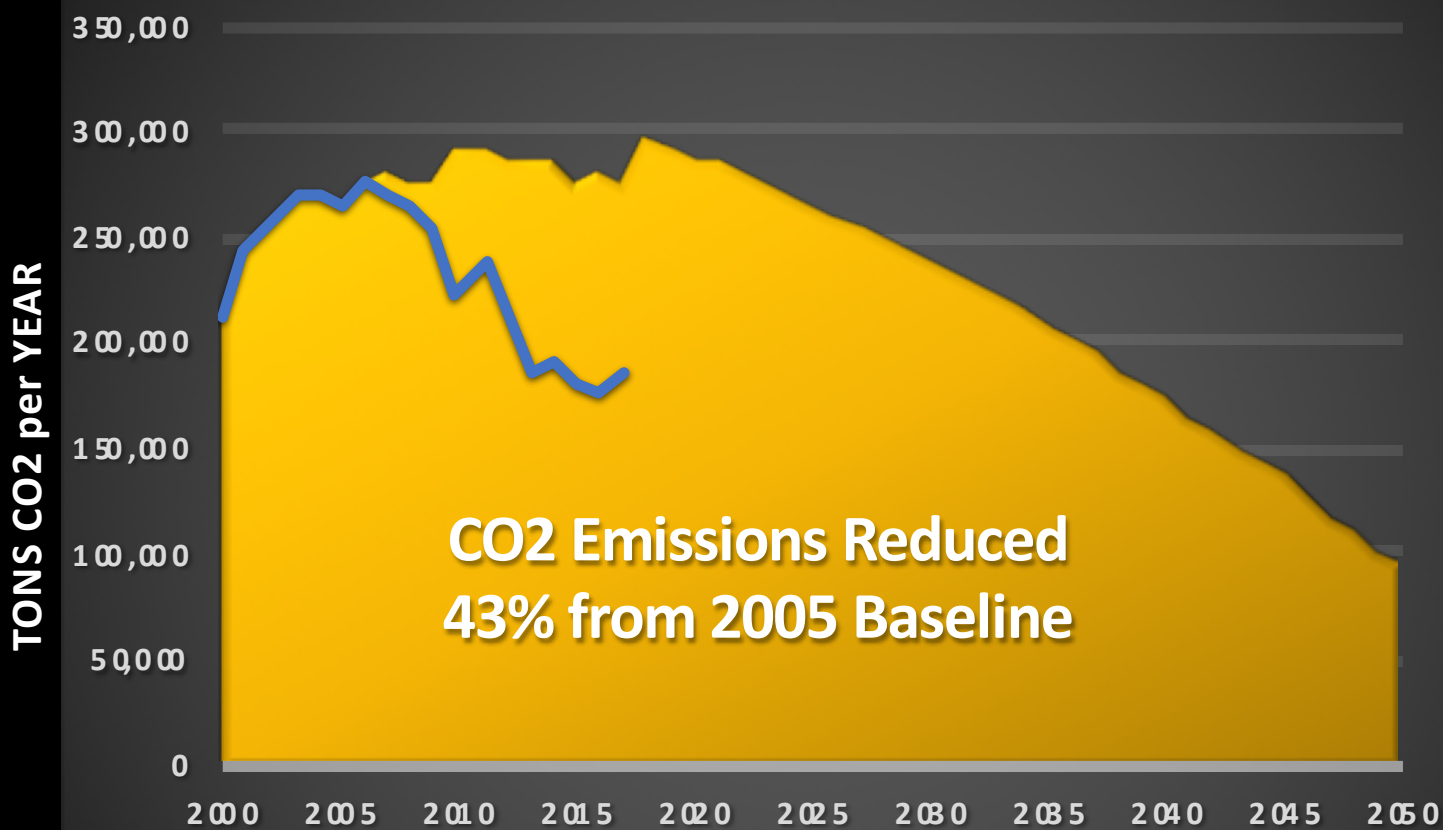






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**CO<sub>2</sub> Reduction Wedge Diagram thru 2050**

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