

# Dakota Gasification Company



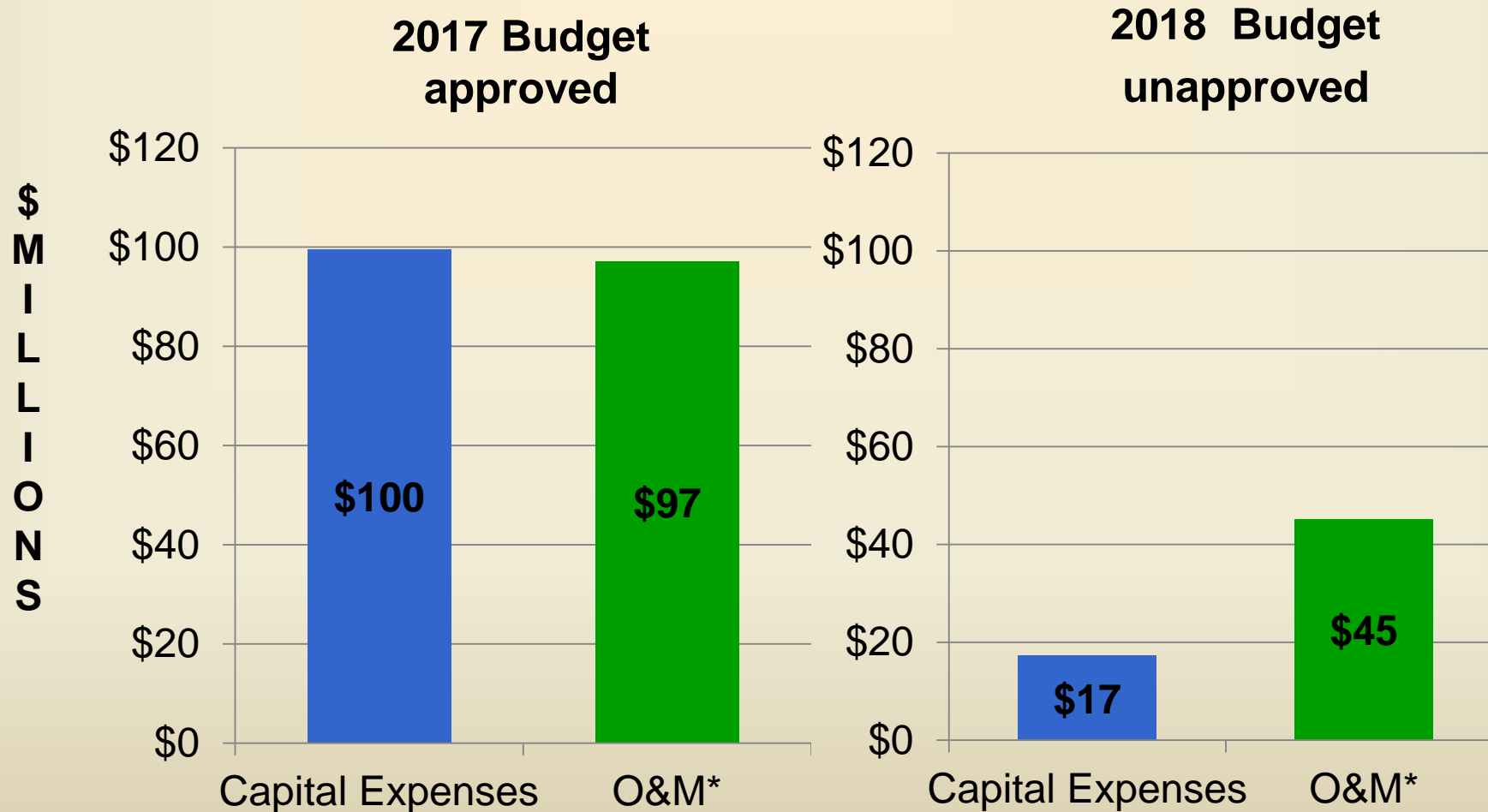
**Lignite Energy Council  
Annual Meeting – Plant Update  
October 4, 2017  
Presented by Dan Pillar**



# A VIEW FROM THE PODIUM



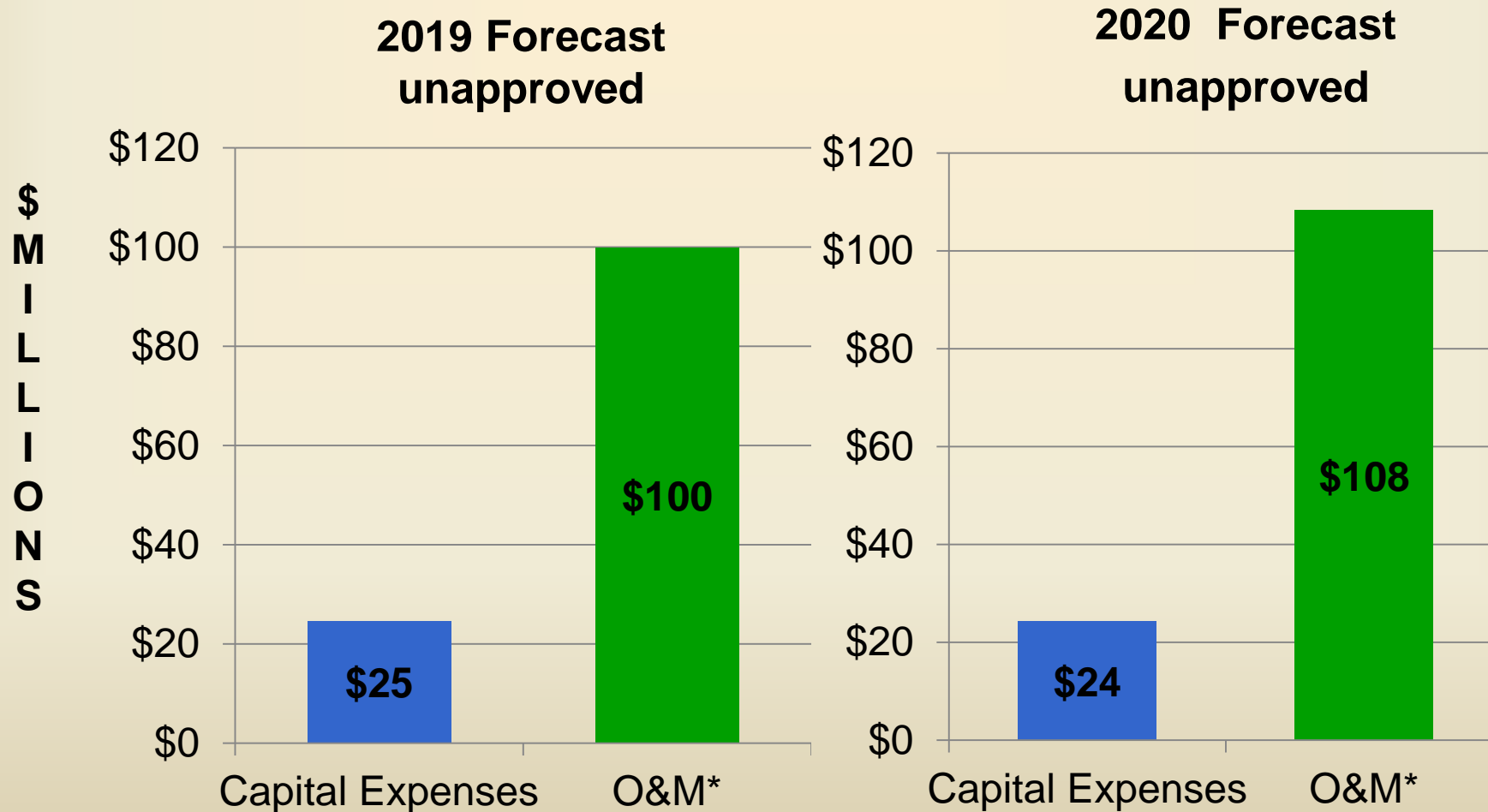
# Dakota Gasification Company



- Major O&M excludes coal and labor
- Capital includes Urea Project



# Dakota Gasification Company



- Major O&M excludes coal and labor
- Capital includes Urea Project



# Capital and Major Expense

## 2018 Look Ahead (unapproved)

- Fire Panel Upgrades
- Methanation Catalyst Replacement (A-Train Primary)
- Rotating Equipment Control Panel Upgrade
- Protective Relay Migration
- Replace trays in the Phenol Distillation Column
- Continuous Emissions Monitoring System (CEMS) Upgrade/Replacement

# Capital and Major Expense

## 2018 Look Ahead (unapproved)

- Replace packing on DA4701 Distillation Column
- Capital Tools
- Miscellaneous Vehicle Replacement

# Capital and Major Expense

## 2019 Look Ahead (unapproved)

- Sour Shift Catalyst Replacement DC1222
- Methanation Catalyst Replacement (B-Train Primary)
- Upgrade 2 Shaker Screens on A-Train (coal handling)
- Replace DC4402 High Temp Shift Converter Vessel (12' x 14' vertical)

# Capital and Major Expense

## 2019 Look Ahead (unapproved)

- Corrosion Resistant CAT 950 Front End Loader for Ammonium Sulfate Area
- Miscellaneous Vehicle Replacement



# 2018 Major T/A Activities

<b>6/03/18 – 6/14/18</b>	<b>Half-Plant Turnaround</b>
<b>9/09/18 – 9/20/18</b>	<b>Boiler Recertification</b>

# DGC On-site Procurement Staff



**Jon Dronen**  
**873-6547**



**Lynell Renner**  
**873-6532**



**Along with Basin Electric Procurement at Headquarters**



Thank you from everyone at  
Dakota Gasification Company