

May 2, 2025

Kansas Corporation Commission  
1500 SW Arrowhead Rd.  
Topeka, Kansas 66604-4027

RE: Docket No. 12-WSEE-278-CPL

To Whom It May Concern:

Please find attached the first quarter 2025 compliance filing as required by Commission Order in Docket No. 11-WSEE-377-PRE.

This filing contains a confidential version and a public version.

If further information is required, please contact me.

Sincerely,

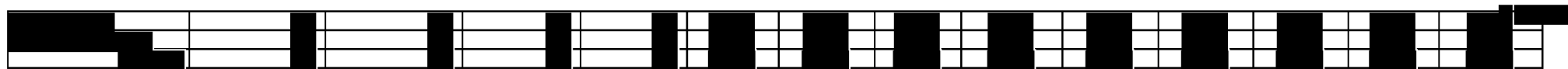
*Jim Ferneau*

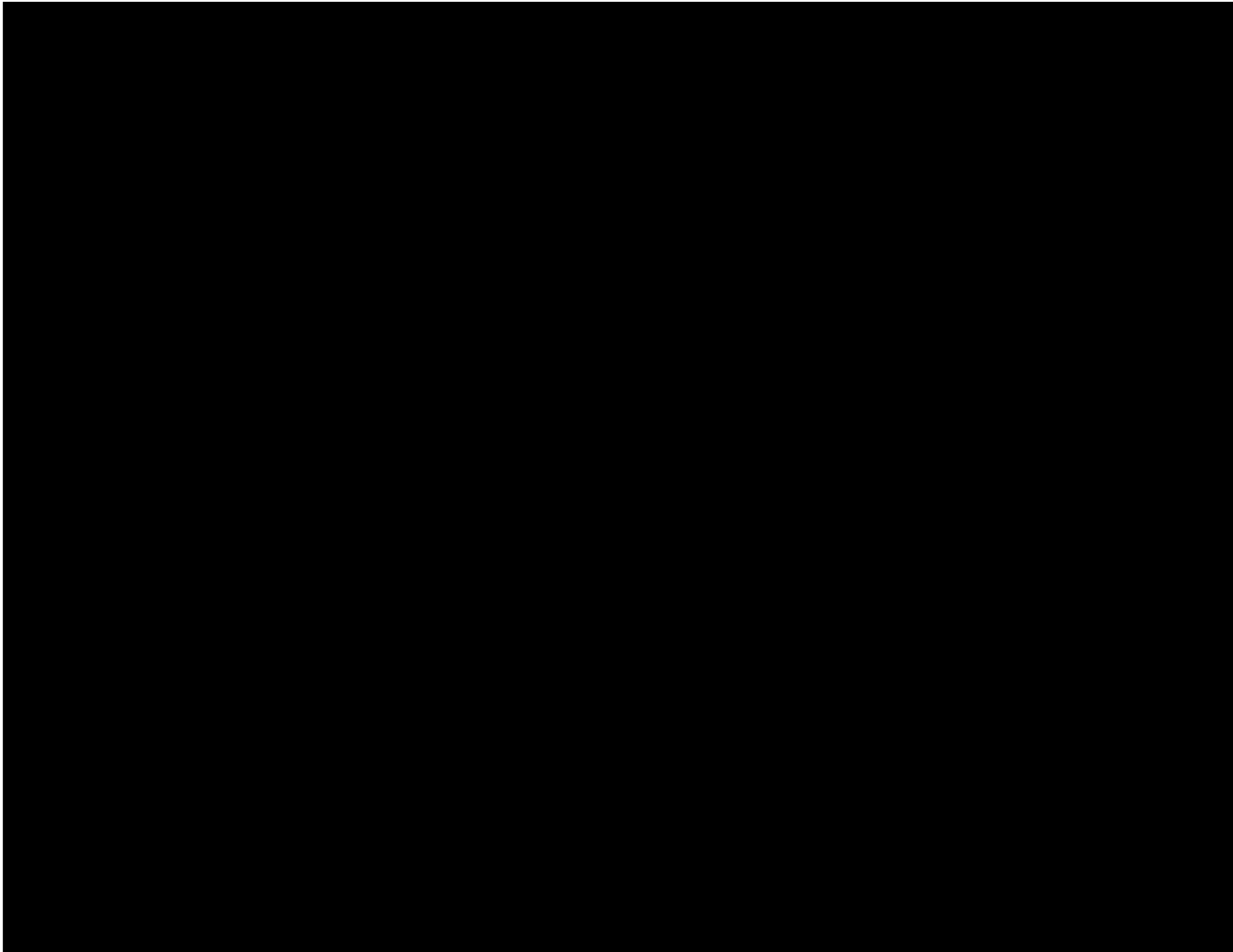
Jim Ferneau  
Manager, Regulatory Affairs

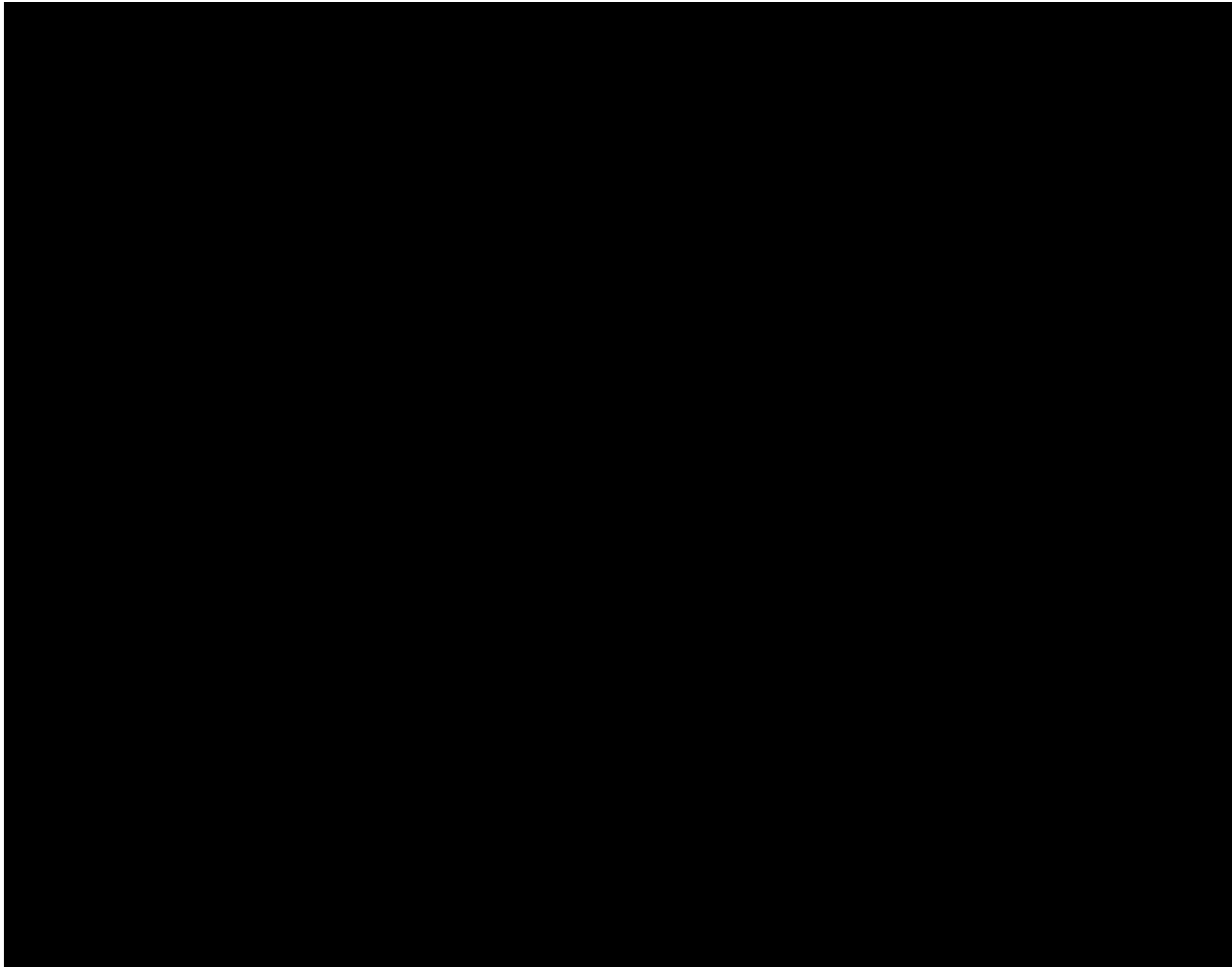
Enc.

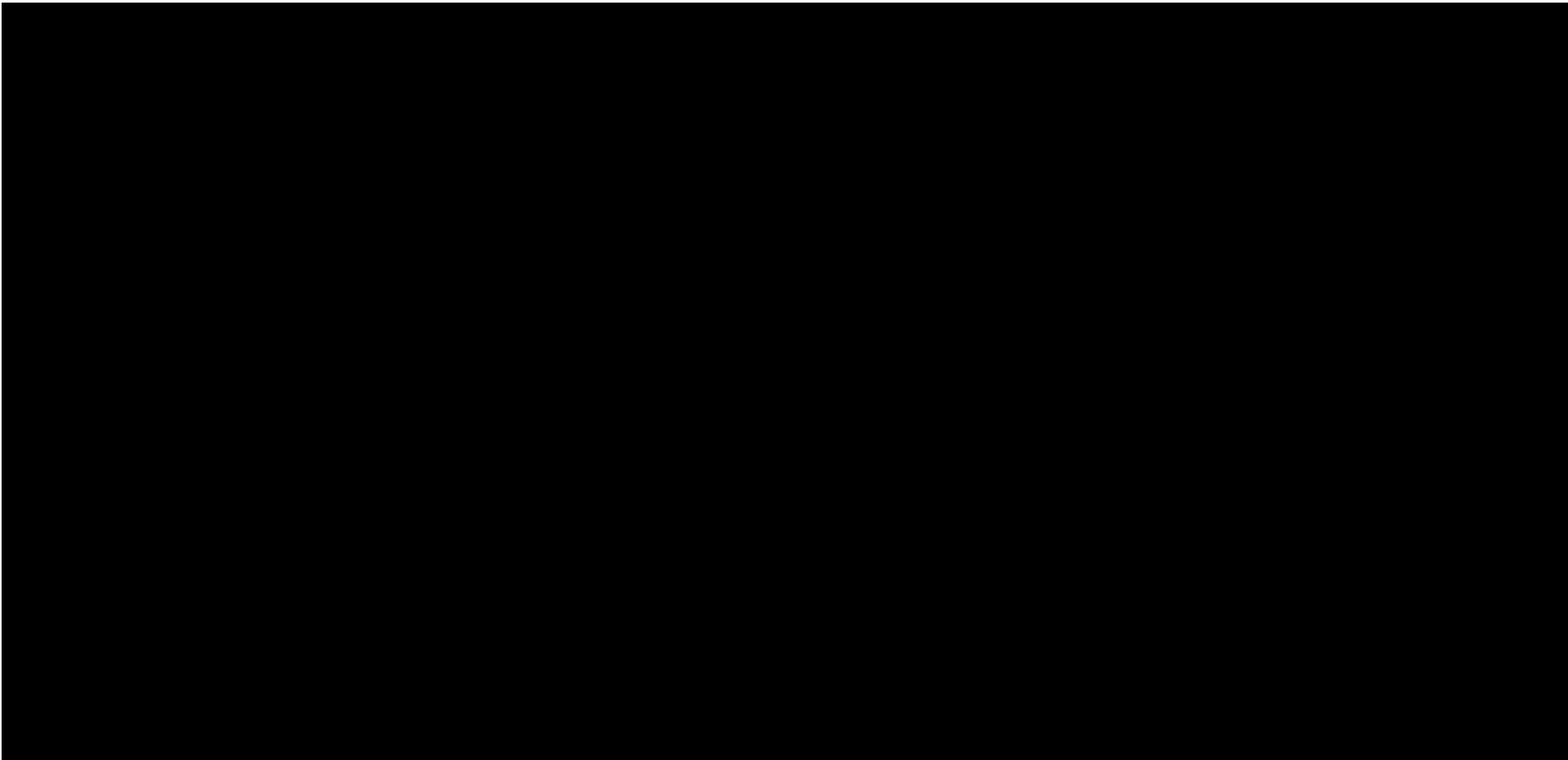
Cc: Brad Lutz





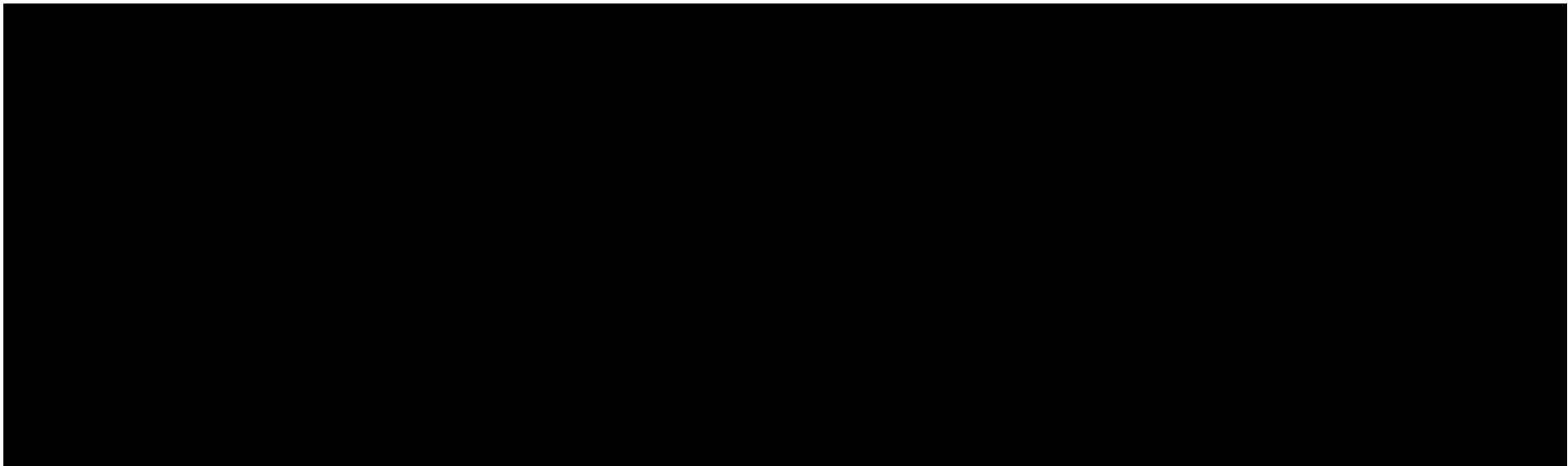






[REDACTED]

[REDACTED]



# NERC GADS Wind Turbine Terms, Definitions and Formulas

## ***Resource Net Capacity Factor (RNCF)***

% of actual plant generation

$$RNCF = \frac{NAG}{(PDTH \times TNMC)}$$

## ***Resource Equivalent Availability Factor (REAF)***

% of period plant was available

$$REAF = \frac{[PDTH - (ETH + MTH + PTH + RUTH)]}{PDTH}$$

## ***Equipment Equivalent Availability Factor (EEAF)***

% of period WTG equipment was available

$$EEAF = \frac{(CTH + RSTH + RUTH)}{PDTH}$$

## **NAG - Net Actual Generation**

Net generation (MWh) recorded at the revenue meter.

## **PDTH - Period Turbine-Hours**

# of hours that turbines within the sub-group are in the active state.

Active state is when the group is first declared commercially active.

## **TNMC - Turbine Net Maximum Capacity**

Average Net Maximum Capacity of each turbine in the sub-group. It is calculated by dividing the NMC of the sub-group by # of turbines in sub-group.

## **RUTH - Resource Unavailable Turbine-Hours**

# of hours that turbines within the sub-group are not producing electricity due to the wind being too low/high or reasons outside manufacturing operating specs.

## **FTH - Forced Turbine-Hours**

Sum of all hours that turbines within sub-group off-line due to forced events.

## **MTH - Maintenance Turbine-Hours**

Sum of all hours that turbines within sub-group off-line due to maintenance events.

## **PTH - Planned Turbine-Hours**

Sum of all hours that turbines within sub-group off-line due to planned events.

## **CTH - Contact Turbine-Hours**

# of hours that turbines within sub-group are synchronized to the system. It is the turbine-hours that contactors are closed and generation is provided to the grid.

## **RSTH - Reserve Shutdown Turbine-Hours**

Sum of all hours that turbines within sub-group are available to system at a reduced capacity for economic reasons.

Source: NERC GADS Wind Turbine Generation Data Reporting Instructions

<http://www.nerc.com/page.php?cid=4%7C43%7C45>