



## Integrated Test Center Technical Data Sheet

### Flue Gas Information

#### Flue Gas Flow Rate

- One (1) large test center: up to 81,000 acfm (up to 18.5 MWe)
- Five (5) small test centers (each): up to 1,300 acfm (up to 0.3 MWe)

#### Flue Gas Conditions

Component	Average
CO <sub>2</sub>	12.7%
O <sub>2</sub>	2.5%
N <sub>2</sub> + Ar	66.7%
H <sub>2</sub> O	18.1%
SO <sub>2</sub>	23.1 ppm
NO <sub>x</sub>	27.8 ppm
Temperature	185 F
Pressure	2.6 w.c

#### **CO<sub>2</sub> Variation with Load Conditions**

The CO<sub>2</sub> content in the flue gas content is 12.7% at full load (422 MW) and 10.8% at low load (260 MW).

### Provided Utilities

#### **Electricity**

- Large Test Center: 25kV-480V, 3000 kVA transformer
- Small Test Centers (each): 25kV-480V, 750 kVA transformer

#### **Water**

- Domestic: 20 gallons per hour (gph)
- Water pressure: Domestic at 60 psig and service water at 80 psig.
- Service/process cooling water: The large test center is supplied with 300 gpm with return
- No process cooling water provided above the water limits cited above



## Test Site Footprint

### Small Test Centers

Each of the small test centers will be provided with a graded 0.55 acre gravel area.

### Large Test Center

The large test center will be provided with a graded 3 acre gravel area.

## Dry Fork Power Plant Information

Dry Fork Station is a coal-fired, base-loaded 422 MW unit equipped with an air-cooled condenser to minimize the amount of plant water consumption. The plant utilizes a circulating dry scrubber (CDS), selective catalytic reduction (SCR), and baghouses to control SO<sub>2</sub>, NO<sub>x</sub>, and particulate matter, respectively.

## More Information

Refer to the [ITC Project Management Guide](#) for more information about the Integrated Test Center's:

- Site Layout
- Plant Meteorological Data
- Project Management Information (PSM, PHA, Safety)
- Engineering Requirements
- Applicable Codes & Standards
- Control & Instrumentation Scheme
- Guide to Working Onsite at the ITC