Example of Engineering Data Needed to Calculate Unbundling Cost Allocations

This is not an all-inclusive list in information needed to unbundle. Other data may be required depending on the particular plant or transportation system being unbundled.

NOTE: Please document source and date of data that is exported from a database and placed into a standalone document.

System/Plant/Mainline Overview Information:

- List all mainlines at tailgate of plant. For each mainline provide documentation for:
  - Temperature, pressure, water, CO_2 and H_2S content needed to enter the pipeline.

Transportation/Gathering System Data:

- Map or GIS data of transportation system inclusive of:
  - Central delivery points
  - Location of plant(s)
  - Compressor stations
  - Dehydrators
  - Sweetening Units
- For the transportation system provide:
  - GIS data or a list of diameters and lengths of each applicable segment of pipeline.
  - List all compressors upstream of the specified plant, date placed into service, compressor type (centrifugal, reciprocating), and design horsepower.
  - Documentation of the yearly average suction and discharge pressures for each compressor.
  - Easily readable schematics for all compressor stations.
  - Easily readable schematics for all upstream dehydration or sweetening units. Provide inlet and outlet pressures, compositions of gases, water vapor content, hydrogen sulfide content and carbon dioxide content.
  - Provide Depreciation and return on depreciable capital investment for all pieces of equipment.
- Statements documenting gas volumes of field loss and/or fuel use in the transportation system.
- An explanation of the fee charged for transportation/gathering eg. excess CO_2 or H_2S charges, extra compression charges, separate charges for each trunkline
- Provide itemized capital costs, operating expenses, maintenance expenses and overhead expenses.

Suggested Data Needs

Gas Processing Plant Data:

- Documentation of when operation began for the Gas Processing Plant.
- List of the owner(s) and operator(s) of the plant and their percentage of interest.
- A detailed Process Flow Diagram (PFD) of the plant with a legend including all compressors and processes performed in the plant.
    - List all compressors in the plant, date placed into service, compressor type (centrifugal, reciprocating), and design horsepower.
    - List of all auxiliary or support equipment not included in the PFD and the process each piece of equipment supports.
    - Provide depreciation or return on depreciable capital investment for all pieces of equipment.
- List of the major improvements to the plant and the year placed in service.
- Documentation of the composition and pressure of the gas entering the plant and sample gas analysis reports. Include hydrocarbon compositions, water vapor content, hydrogen sulfide content and carbon dioxide content.
- Documentation that shows yearly average temperature, pressure, water vapor content, hydrogen sulfide content and carbon dioxide content before and after each stage of compression, separation or treatment of the gas.
- An explanation of the plant's fee charged for processing for each agreement as described below:
- List of joint ownership interest in any fractionation facilities and the percentage of interest.
- An agreement with any applicable fractionation facilities.
- Provide itemized capital costs, operating expenses, maintenance expenses and overhead expenses.

Suggested Data Needs