

DEFINITIONS

ANNUAL CAPACITY

Annual capacity means the average sustainable throughput rate of a pipeline over a year. Annual Capacity is calculated assuming historic average annual and operating conditions. These operating conditions include scheduled and unscheduled maintenance, normal operating problems and crude supply rateability. Annual Capacity of a pipeline is typically 90% of Design Capacity.

APPLICANT

Enbridge Pipelines (North Dakota) LLC.

AVOIDANCE AREA

An Avoidance Area shall not be considered in the routing of a transmission facility, or in the case of the proposed project, the upgrade of an existing facility, unless there are no reasonable alternatives.

DESIGN CAPACITY

The theoretical capacity of a pipeline for a given type of liquid and their batch sequence. Design Capacity is calculated assuming theoretically ideal operating conditions.

DELIVERY

A volume received at a location where the hydrocarbon commodity enters the Enbridge pipeline system.

ENBRIDGE

Enbridge is the term used to collectively describe the various Enbridge companies, affiliates and legal entities, some of which are defined below.

ENBRIDGE ENERGY, LIMITED PARTNERSHIP

Enbridge Energy, Limited Partnership owns and operates the liquid pipeline system known as the Enbridge "Lakehead System". Together with Enbridge Pipelines Inc. in Canada, these operationally integrated pipeline systems form the longest liquid petroleum pipeline in the world.

ENBRIDGE MAINLINE SYSTEM

A term used to described the U.S. and Canadian portion of a major liquid pipeline systems owned by Enbridge Energy, Limited Partnership and Enbridge Pipelines Inc. respectively.

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ENBRIDGE PIPELINES INC.

Enbridge Pipelines Inc. is a wholly owned subsidiary of Enbridge Inc., who owns and operates the Canadian portion of the existing Enbridge Mainline System. These operationally integrated pipeline systems which interconnect at the U.S./Canadian International Border Line to form the longest liquid petroleum pipeline in the world. Together, these two systems are referred to as the “Enbridge Mainline System.”

ENBRIDGE PIPELINES (NORTH DAKOTA) LLC (“EPND”)

Enbridge Pipelines (North Dakota) LLC (“EPND”) is a wholly owned partner of Enbridge Energy Partners L.P. EPND owns and operates a crude oil gathering and interstate transportation system that gathers crude oil from points near producing oil wells in North Dakota and Montana. Most deliveries from the approximately 185,000 bpd on the North Dakota System are made at Clearbrook, Minnesota, which provides connections with the Enbridge Mainline (Lakehead) System and a third-party pipeline that transports crude oil to refineries in the Minneapolis/St. Paul area. With the reversal of Line 26, EPND also has export capacity to transport 25,000 bpd north to the US/Canadian International Border for further transportation by EPND’s affiliates to Steelman and Cromer for access to Enbridge’s Mainline System. See Exhibit A, EPND System Overview Map.

EXCLUSION AREA

An Exclusion Area is a geographical area that should be excluded from consideration for the routing of a transmission facility, or in the case of the proposed project, the upgrade of an existing facility.

INSTRUMENT PIGS

Internal electronic inspection tools that are equipped with computers and travel through the inside of the pipeline examining the pipe’s condition, i.e., detecting dents, gouges, corrosion, cracks or other anomalies in the pipe.

LINE 26 REVERSAL PROJECT

The reactivation and flow reversal of Enbridge’s Line 26 and placing the line in northbound transportation service to move an incremental 25,000 Bpd of crude oil production from Berthold, North Dakota to the international boundary between the U.S. and Canada.

NWP 12

A Nationwide Permit Program authorized by the U.S. Army Corps of Engineers that is specially-gearred to the construction of utility lines, such as pipelines, which do not result in the loss of greater than ¼ acre of waters (wetlands and waterbodies) of the United States.

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POLICY CRITERIA

Policy criteria are those factors which are positively affected by the project that may lead the Commission to give preference to an applicant.

RECEIPT

A volume at a location where the hydrocarbon commodity enters the Enbridge Pipeline (North Dakota) LLC pipeline system.

SELECTION CRITERIA

Selection criteria are those environmental resources and land use factors for which the project must have an acceptable minimum amount of impact, as determined by the North Dakota Public Service Commission.

SHIPPER

A customer, who transports volumes on the common carrier pipeline system, including crude oil producers, refiners and/or marketers.

STUDY AREA

The study area for this Project shall be defined to mean one-mile wide "study area" centered on the pipeline, as well as a one-half-mile buffer around the perimeter of the new Little Muddy Pump Station.

SURVEY CORRIDOR

The survey corridor for this Project shall be defined to mean an approximate 40-acre block associated with the proposed Little Muddy Station, and an approximate 400-foot wide corridor generally centered on the proposed pipeline.

ULTIMATE ANNUAL CAPACITY

Ultimate annual capacity is the maximum economic expansion capacity of an individual pipeline that is sustainable average daily rate per day over a year.

ULTIMATE DESIGN CAPACITY

Ultimate Design Capacity is the maximum economic expansion capacity of an individual pipeline; however, the pipeline would require additional pumping horsepower over the current design to meet this capacity.

ACRONYMS

APE	Area of Potential Effect
API	American Petroleum Institute
BEP	Best Efficiency Point
BGEPA	Bald and Golden Eagle Protection Act
BLM	Bureau of Land Management
BMPs	Best Management Practices
BOR	Bureau of Reclamation
BPD or bpd	Barrels Per Day
BPH or bph	Barrels Per Hour
CARLSON McCAIN	Carlson McCain, Inc.
CFR	Code of Federal Regulations
COE	U.S. Army Corps of Engineers
COMMISSION	North Dakota Public Service Commission
CONTRACTOR	Construction Contractor
CRP	Conservation Reserve Program

ACRONYMS

CSP	Contractor Safety Program
CSR	Corporate Social Responsibility
DOT	U.S. Department of Transportation
DRA	Drag Reducing Agent
EELP	Enbridge Energy, Limited Partnership
EMP	Environmental Mitigation Plan
EPND	Enbridge Pipelines (North Dakota) LLC
EWS	Extra Workspace
FERC	Federal Energy Regulatory Commission
FSA	U.S. Department of Agriculture, Farm Service Agency
FWS or USFWS	U.S. Fish and Wildlife Service
GIS	Geographic Information System
GRP	Grassland Reserve Program
HCA	High Consequence Area
HDD	Horizontal Directional Drill

ACRONYMS

HP	Horsepower
HPD	Historic Preservation Division
HUC	Hydrologic Unit Code
kWh	Kilowatt Hour
LACT	Leased Automatic Custody Transfer
LWCF	Land and Water Conservation Fund
MAC	Metcalf Archaeological Consultants
MAOP	Maximum Allowable Operating Pressure
MERJENT	Merjent, Inc.
METCALF	Metcalf Archaeological Consultants
MSL	Mean Sea Level
NDCC	North Dakota Century Code
NDDH	North Dakota Department of Health
NDGF or ND-GFD	North Dakota Game and Fish Department
NDPDES	North Dakota Pollutant Discharge Elimination System



ACRONYMS

ND-PRD	North Dakota Parks and Recreation Department
ND-PSC or NDPSC	North Dakota Public Service Commission
NDSHPO or ND-SHPO	North Dakota State Historical Preservation Office
NDSL D or ND-SLD	North Dakota State Land Department
NDSWC or ND-SWC	North Dakota State Water Commission
NFPA	National Fire Protection Association
NHI	Natural Heritage Inventory
NPDES	National Pollutant Discharge Elimination System
NPS	Nominal Pipe Size
NRCS	National Resource Conservation Service
NRHP	National Register of Historic Places
NWP	Nationwide Permit Program
OSHA	Occupational Safety and Health Administration
PCV	Pressure Control Valve
PEMA	Palustrine, Emergent, Temporarily Flooded

ACRONYMS

PHMSA	Pipeline and Hazardous Materials Safety Administration
PLS	Pure Live Seed
PROJECT	Little Muddy Station Connection Project
PSIG or psig	Pounds-Force per Square Inch Gauge
ROW	Right-of-Way
SHSND	State Historical Society of North Dakota
SPCCP	Spill Prevention, Containment, and Control Plan
SSURGO	Soils Survey Geographic Database
SWPPP	Stormwater Pollution Prevention Plan
TWS	Temporary Workspace
U.S or US	United States
USDOT	U.S. Department of Transportation
UFC	Uniform Fire Code
UHC	U.S. High Sweet Crude
UHF	Ultra High Frequency

ACRONYMS

USDA	U.S. Department of Agriculture
USGS	U.S. Geological Survey
VFD	Variable Frequency Drive
WRP	Wetland Reserve Program