

OTP Witness Ward Uggerud

Senior Vice President
Otter Tail Power Company

Summary OTP Exhibits 101 & 102

Overview

- Otter Tail Power Company
 - Investor-owned utility with operations in South Dakota, North Dakota and Minnesota
 - 50,000 square miles of service territory
 - Serving 423 communities; one-half are smaller than 200 people
 - Lead developer of the Big Stone Unit II project
 - We propose to own a 19.3% share of the Big Stone Unit II project

Increasing Energy Demand

- Growing 2.4% per year
 - Big Stone II – OTP Share
 - 121.8 MW
 - 19.33%
- Baseload Need
 - **Plus Other Resources**
 - More Wind
 - Power Purchases
 - Conservation
 - Natural Gas Peaking

Big Stone Unit II

- 630 MW Nominal Capacity
- Supercritical Pulverized Coal
- Powder River Basin Coal
- 88% Capacity Factor Expected
- Baseload Facility Located in South Dakota
- Two New High Voltage Transmission Lines

Environmental Features

- Wet Scrubber – SO₂ reduced 85%
- Baghouse Filter – control small particles
- Selective Catalytic Reduction – Control NO_x
- Mercury- Capped at present limits, future reductions

Coal Supply and Delivery

- Powder River Basin Coal
- Burlington Northern Santa Fe Railway
- Number of Rail Cars
- Coal Inventory

Asset-Backed Sales

- Credited 100% to Customers

Coyote Station

- Viable Site
- Transmission Limitations