

# WELCOME

## Montana-to-Washington Transmission System Upgrade Project

**Scoping Meeting**

**Open House  
5 – 7 p.m.**

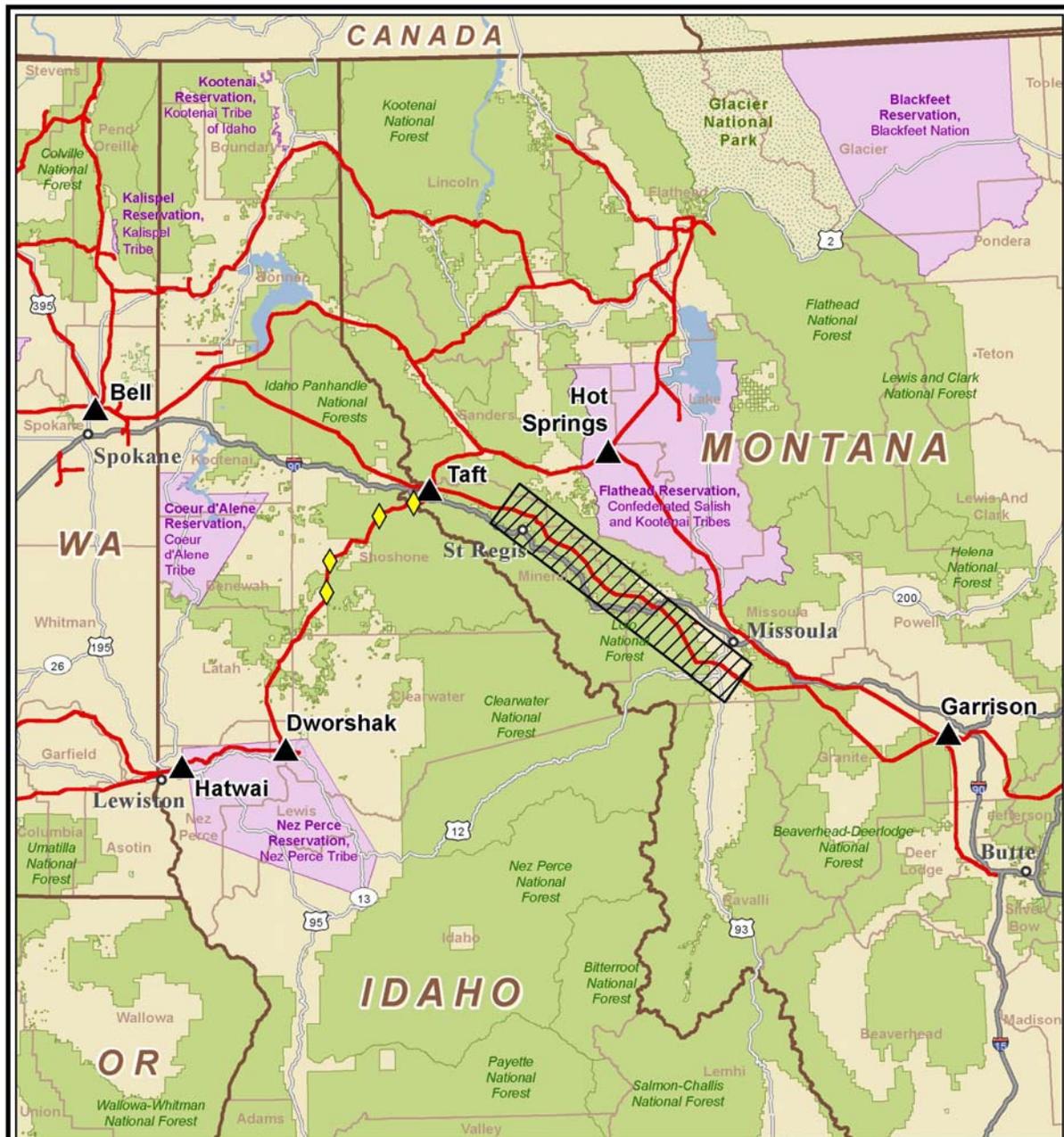
# Project Need

Recent requests for transmission service from parties within the State of Montana have led BPA to analyze its existing transmission system to see how best to increase transmission capacity from western Montana to power markets across the Northwest.

Increased capacity would:

- Allow new renewable resources to access power markets
- Maintain existing level of reliability with increased transmission capacity

# Project Map



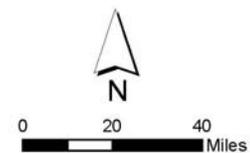
## Montana to Washington Transmission System Upgrade Project



4/17/2012

### Legend

- Project Related BPA Substation
- BPA Transmission Line
- Proposed Compensation Station Zone
- Dworshak-Taft Line Upgrade Locations
- USFS Forest Boundary
- Indian Reservation
- National Park



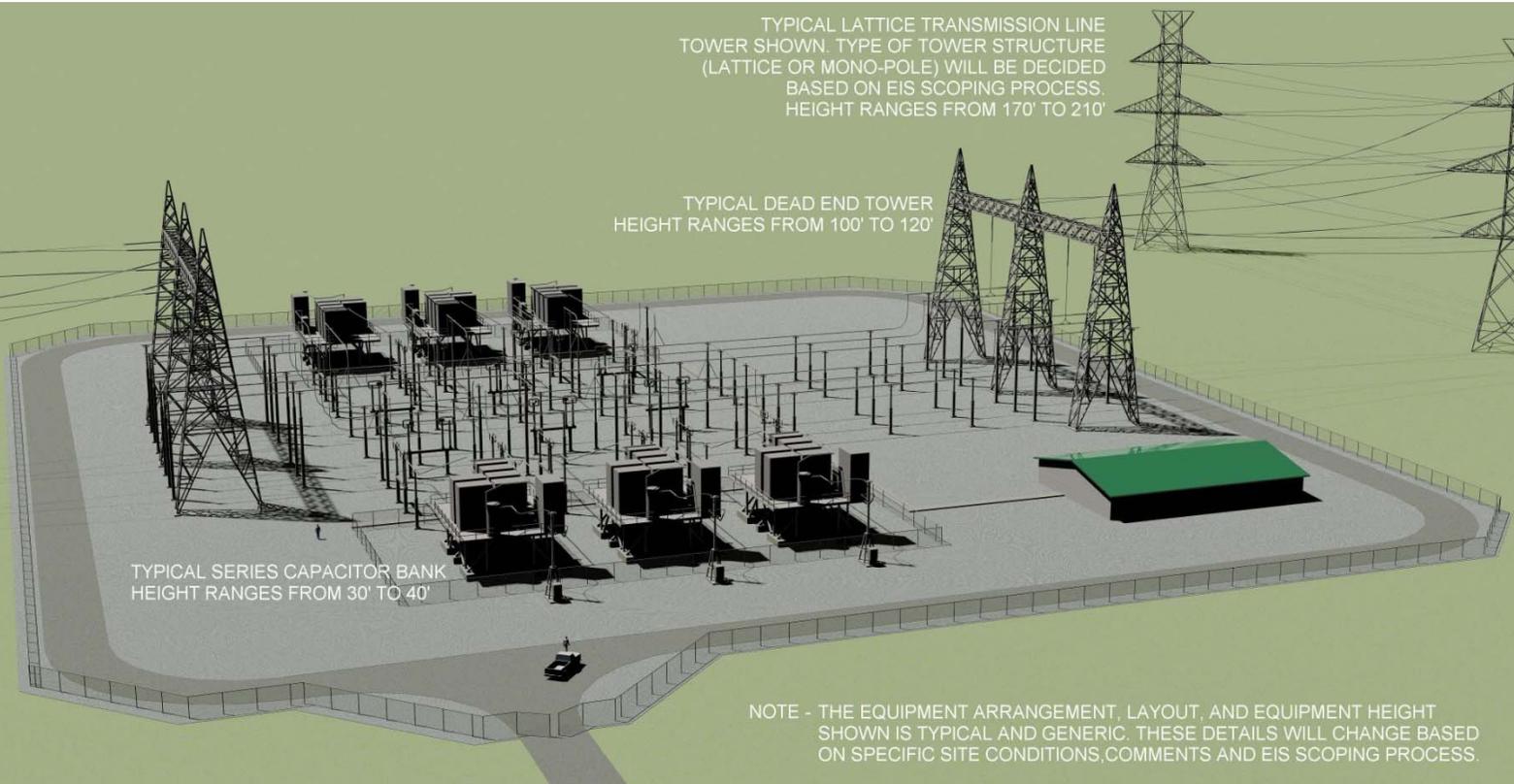
# Project Description

## Project upgrades would include:

### In Montana:

- Construct a new series compensation substation near St. Regis or Missoula
- Install new circuit breakers and a new shunt capacitor at Hot Springs Substation
- Install new circuit breakers and upgrade existing series capacitor at Garrison Substation

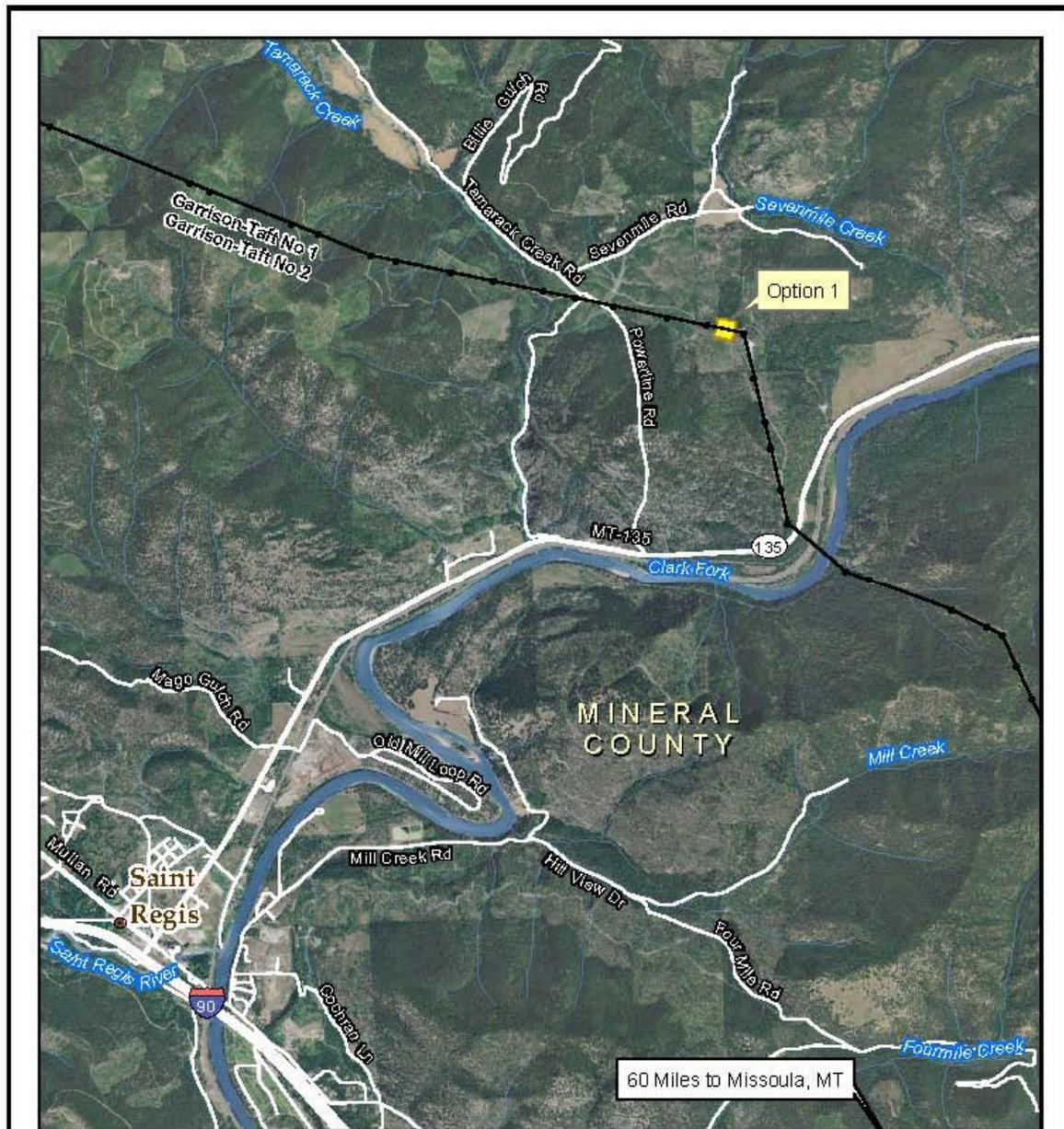
# Project Components



## New Series Compensation Substation

A new series compensation substation would allow BPA to increase the power transmission capacity along the Taft-Garrison No. 1 and No. 2 500-kV transmission lines.

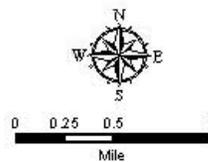
# Project Map



### Potential Substation Site at St. Regis

- Potential Substation \*
- BPA Transmission Line
- BPA Transmission Tower

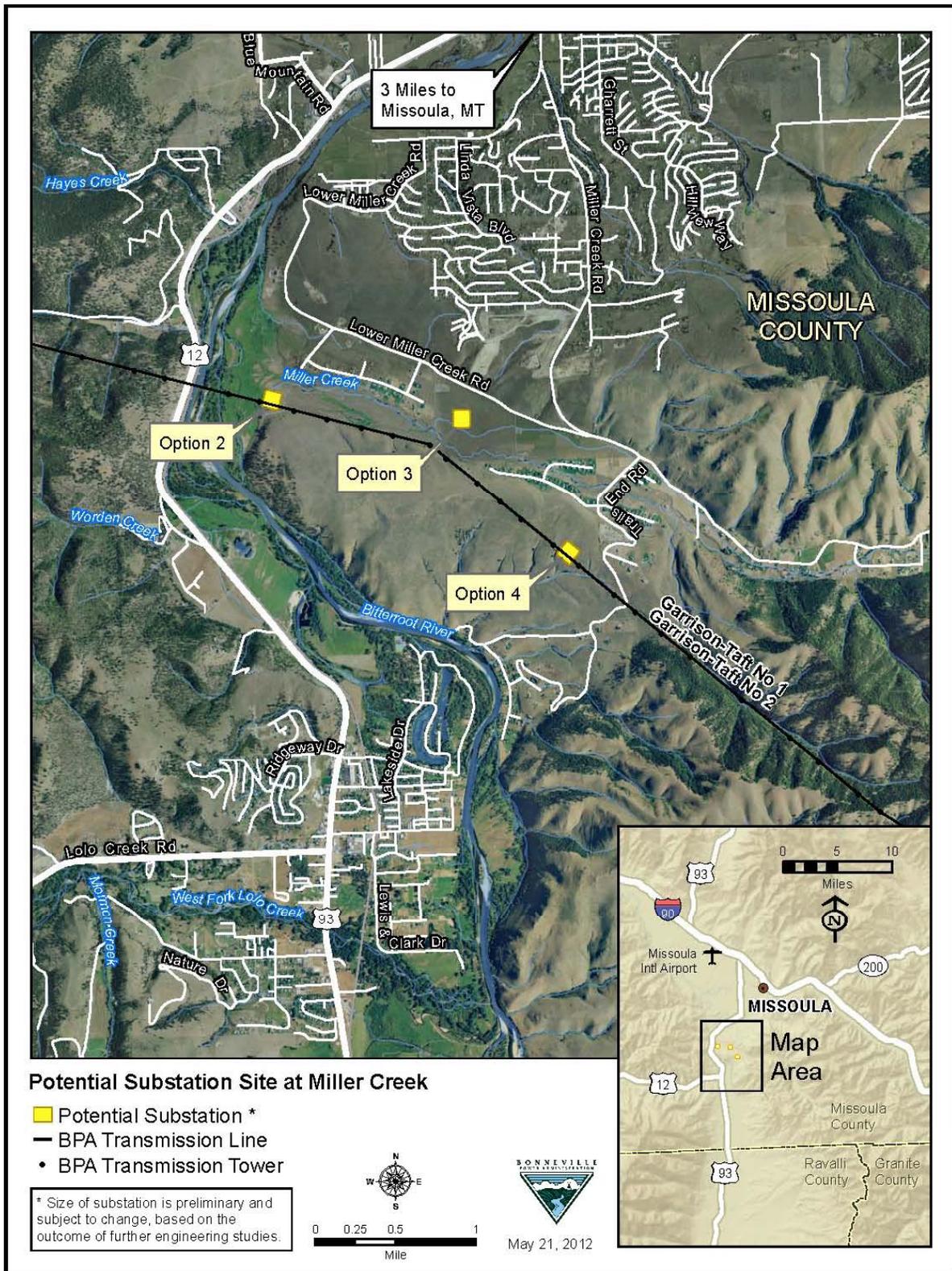
\* Size of substation is preliminary and subject to change, based on the outcome of further engineering studies.



May 21, 2012



# Project Map



# Project Description

## Project upgrades would include:

### In Idaho:

- Upgrade existing series capacitor at Dworshak Substation
- Expand Hatwai Substation to install new series and shunt capacitors
- Replace roughly 12 miles of conductor on the Taft-Dworshak No. 1 500-kV line

### In Washington:

- Expand Bell Substation to install new series and shunt capacitors
- Upgrade existing series capacitor at Bell Substation

# Project Components



## Reconductoring

Replacing the conductor (wire) allows BPA to improve transmission system reliability.

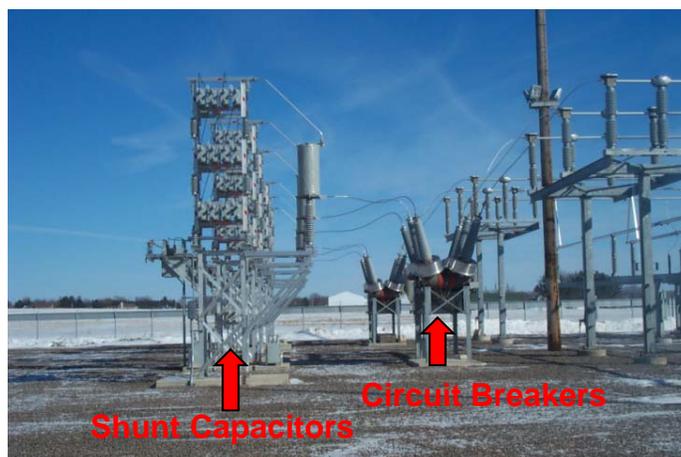
The proposed project would replace existing single wire with twin wire at four segments on the Taft-Dworshak No. 1 500-kV line in order to match the capacity to the rest of the line.

# Project Components



## Series Capacitors

Series Capacitors enable more power to flow through transmission lines without installing new wires.



## Shunt Capacitors & Circuit Breakers

Shunt Capacitors support required voltage levels. Circuit breakers help limit the extent of a power outage.

# Real Property Services

## What is the role of BPA's Realty Group?

- **Respond to landowner questions.**
- **Address all issues regarding potential impacts to property.**
- **Request permission to enter property.**
- **Negotiate and acquire rights for BPA.**

This may include acquiring an easement right across a parcel, or acquiring a portion of land from the property owner.

# Environmental Review

## What is an EIS?

Environmental Impact Statements (EIS) are prepared for federal actions when the significance of the environmental impacts of a proposed action are not clear. During the Scoping process, BPA wants your help by having you tell us:

- What issues should we evaluate?
- What potential environmental impacts should we analyze?
- What alternatives should we consider?

**Your comments will greatly assist us during our environmental review.**

# Environmental Review Schedule

Scoping comment period ends	July 2, 2012
Consider scoping comments	August 2012
Field studies, preliminary design, environmental analysis, and Draft Environmental Impact Statement (EIS)	Summer/Fall 2012
Release Draft EIS for comment	Fall 2013
Address comments	Winter 2013
Release Final EIS and issue decision	Fall 2014

# How to Comment

Call: 800-622-4519

Fax: 503-230-4019

Write: Bonneville Power Administration  
Public Affairs Office - DKE-7  
P.O. Box 14428  
Portland, OR 97293-4428

Online: [www.bpa.gov/go/M2W](http://www.bpa.gov/go/M2W)

Reference “*Montana-to-Washington Transmission System Upgrade Project*” with all communications.

**Scoping Comment Period Ends: July 2, 2012**

Project contacts:

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