



# Eastern Idaho Electrical Plan

Community Advisory Committee

**Meeting #9**  
**November 13, 2009**

# Meeting Agenda

- 10:00 a.m.      Welcome and Introductions
- Purpose of Meeting and Agenda
  - Review CAC meeting #8 (How's your memory?)
- 10:15 a.m.      Review Draft Report– *Bryan Hobson*
- 12:00 noon      Update on other Idaho Power Projects – *Dave Angell*
- 12:15 p.m.      Final Discussion – *Mike Pepper / Bryan Hobson*
- 12:30 p.m.      Lunch – *Chartwells/ISU Catering*

# May Meeting Review

- Finalized Preferred Alternatives in all three geographical areas
  - American Falls
  - Blackfoot
  - Pocatello
- Project Implementation Plan
- Local Plan Implementation

# Happy Friday the 13<sup>th</sup>!

## Did you know?

- Every year has at least one Friday the 13<sup>th</sup>.
- The largest possible number of Friday the 13<sup>th</sup>'s in a year is 3.
- 2009 had **three** Friday the 13<sup>th</sup>'s
  - And we met on all three of them!
- The last year with three was 1998, the next year is 2012.
- The 13th day is slightly more likely to fall on a Friday than any other day.



## Purpose of the Project

- To create a clear and documented electrical energy supply plan to serve the load needs of Idaho Power's Eastern Idaho region from now through buildout
  - *“The public process is the starting point of all electrical supply plans and any resulting **transmission** rights-of-way and **substation** siting requirements”*

# Draft Report Layout

- Committee List
- Definitions
- Executive Summary
- Introduction / Background
- Committee Process and Input
- Preferred Alternative
- System Implementation Plan
- Local Plan Implementation
- Conclusion
- Appendices



# Committee List

- Any Corrections?

# Acronyms/ Definitions

- Spell out commonly used Acronyms
- Tried to define “engineeringish” words in common terms
- Any clarifications?
- Additions?

# Executive Summary Review

- Take few minutes to read to yourself
- Note your comments on content and we'll discuss as a group
  - Important information missing?
  - Too much information?
  - Does it summarize the CAC process and results clearly?
- If you find grammatical errors – mark on the page as you review and turn it in to us after the meeting

# Executive Summary

- Describes need for CAC process and buildout plan
- Outlines CAC process
- Summarizes Committee Preferred Alternative
- Four maps of Preferred Alternative
  - Entire Plan Area
  - 3 geographical area detail maps
- Briefly covers:
  - Implementation Process
  - Energy Efficiency
  - Buildout system estimated costs

# Introduction

- 1 page of text
- Defines Plan area
- Defines need for plan
  - Reliability
  - Capacity



# Background

- Existing Population and Electrical Load
- Load Growth
- Existing Electrical System
- Existing System Reliability

# Committee Process and Input

- Outline of each CAC meeting
- Alternative Energy discussion (move to Background section)
- Energy Efficiency (move to Background section)
- Transmission characteristics (move to Background section)
  
- Committee Goals
- Mapping exercise

# Small Group Mapping Results

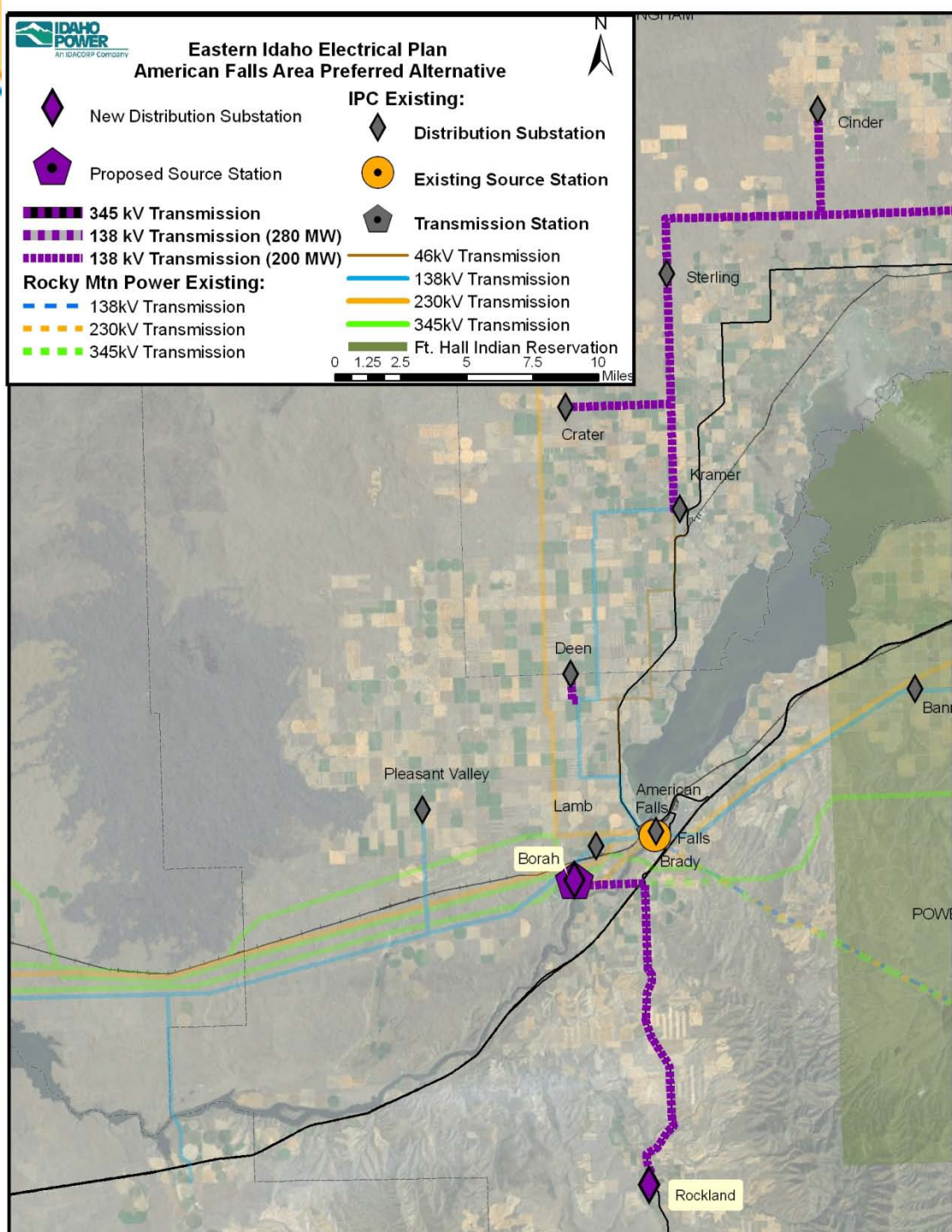
- Description and maps of each small group's mapping results
- Description by area
- One overall map with arial photo background
- Area detail maps and overall map with sub area color background in Appendix D
- Combined mapping results
- Costs
- Scoring Matrix

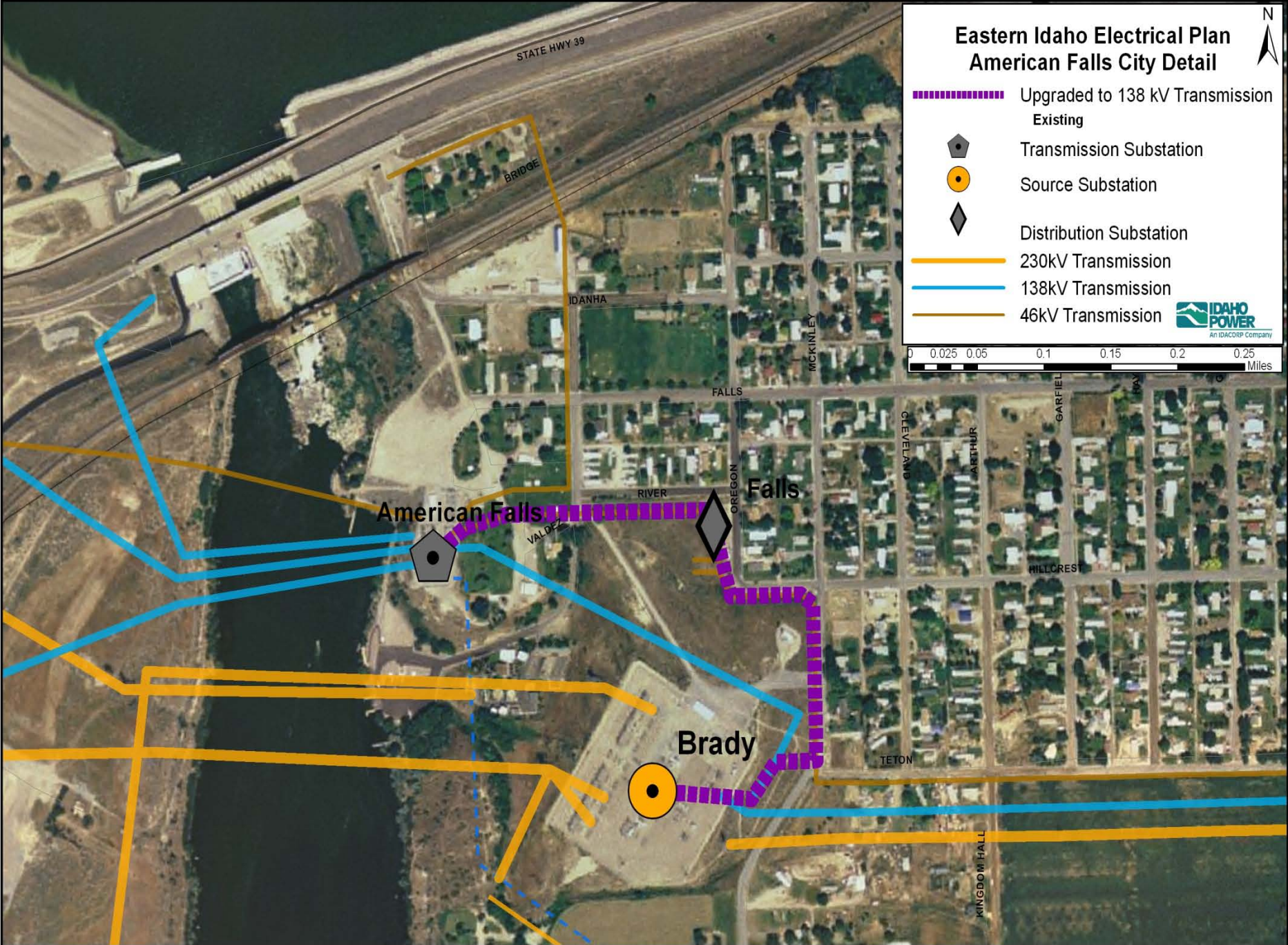
# Preferred Alternative

- Detailed description of preferred alternative in each area
- Detailed maps
  - Entire planning area with geographical area color background
  - 3 geographical area details
    - American Falls City detail
    - Blackfoot City detail
    - Pocatello/Chubbuck city detail



# American Falls Preferred Option

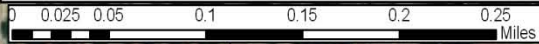




# Eastern Idaho Electrical Plan American Falls City Detail



- Upgraded to 138 kV Transmission
- Existing
- Transmission Substation
- Source Substation
- Distribution Substation
- 230kV Transmission
- 138kV Transmission
- 46kV Transmission



American Falls

Falls

Brady

STATE HWY 39

BRIDGE

IDANHA

FALLS

RIVER

VALDEZ

OREGON

CLEVELAND

ARTHUR







GARFIELD

HILLCREST





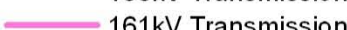
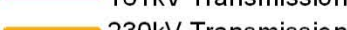

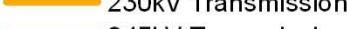


TETON

KINGDOM HALL

MCKINLEY

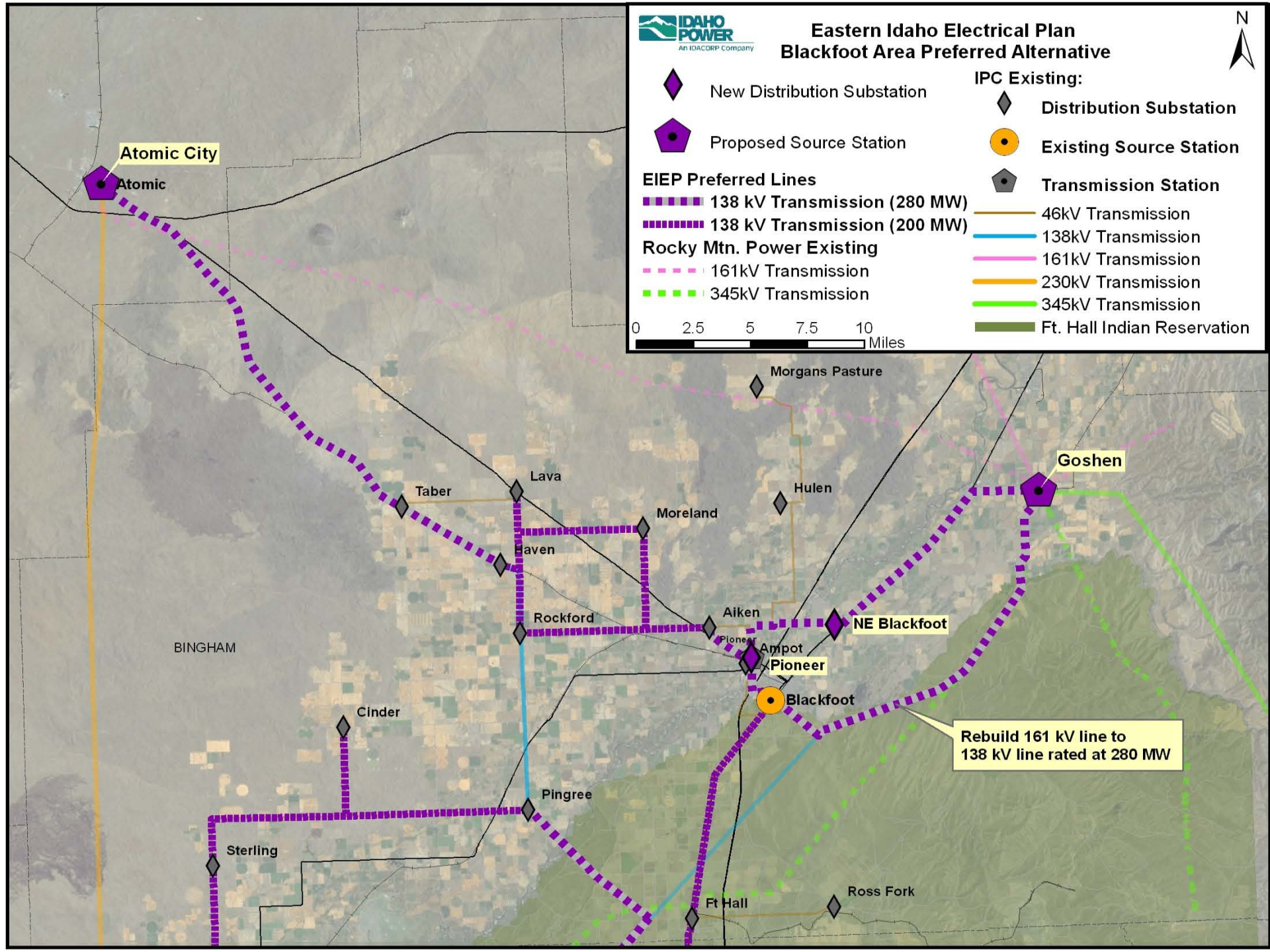
	New Distribution Substation		IPC Existing: Distribution Substation
	Proposed Source Station		Existing Source Station
			Transmission Station

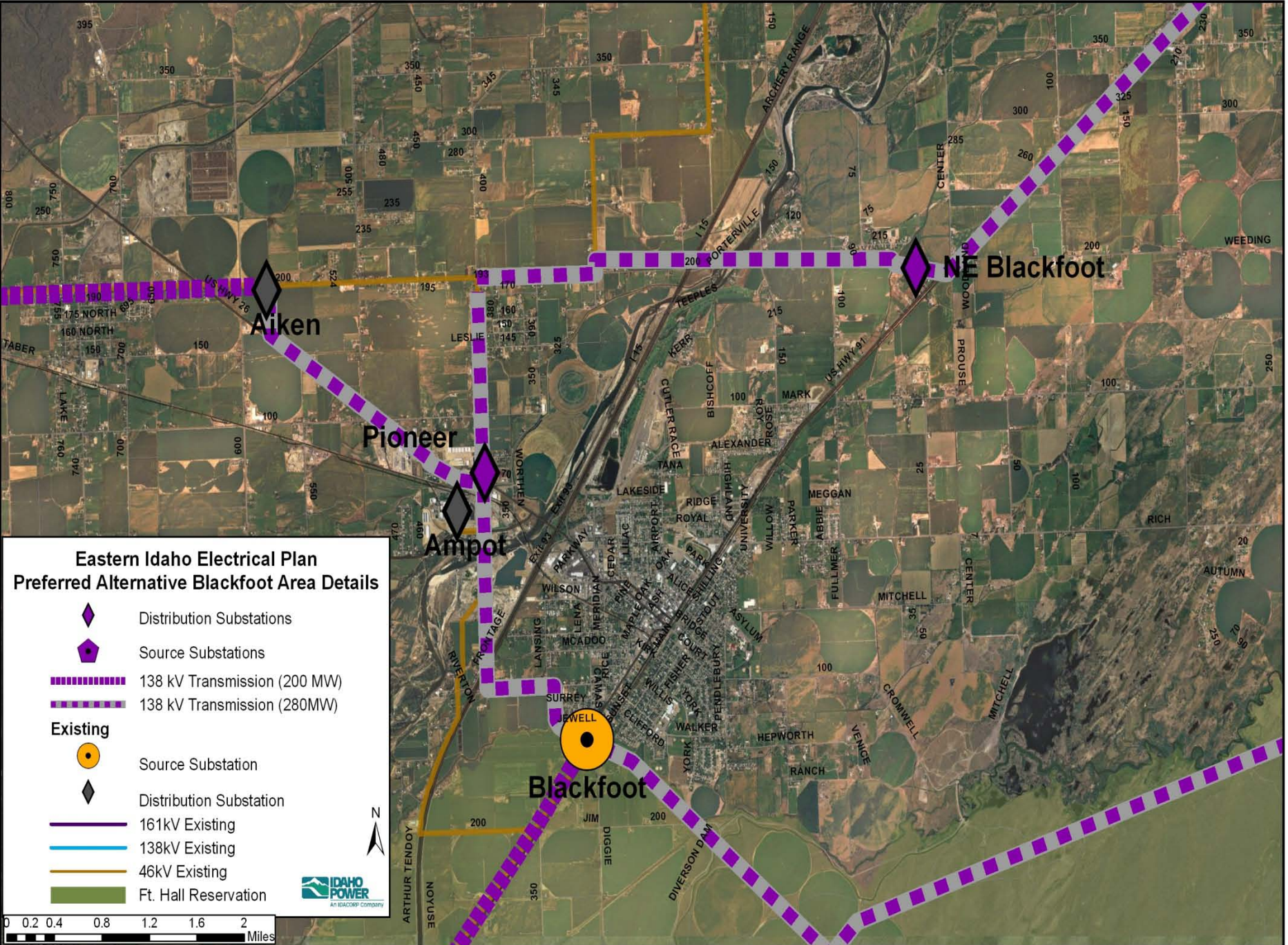
  

<b>EIEP Preferred Lines</b>			46kV Transmission
	138 kV Transmission (280 MW)		138kV Transmission
	138 kV Transmission (200 MW)		161kV Transmission
<b>Rocky Mtn. Power Existing</b>			230kV Transmission
	161kV Transmission		345kV Transmission
	345kV Transmission		Ft. Hall Indian Reservation











  

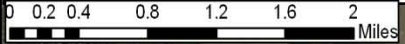
0 2.5 5 7.5 10 Miles



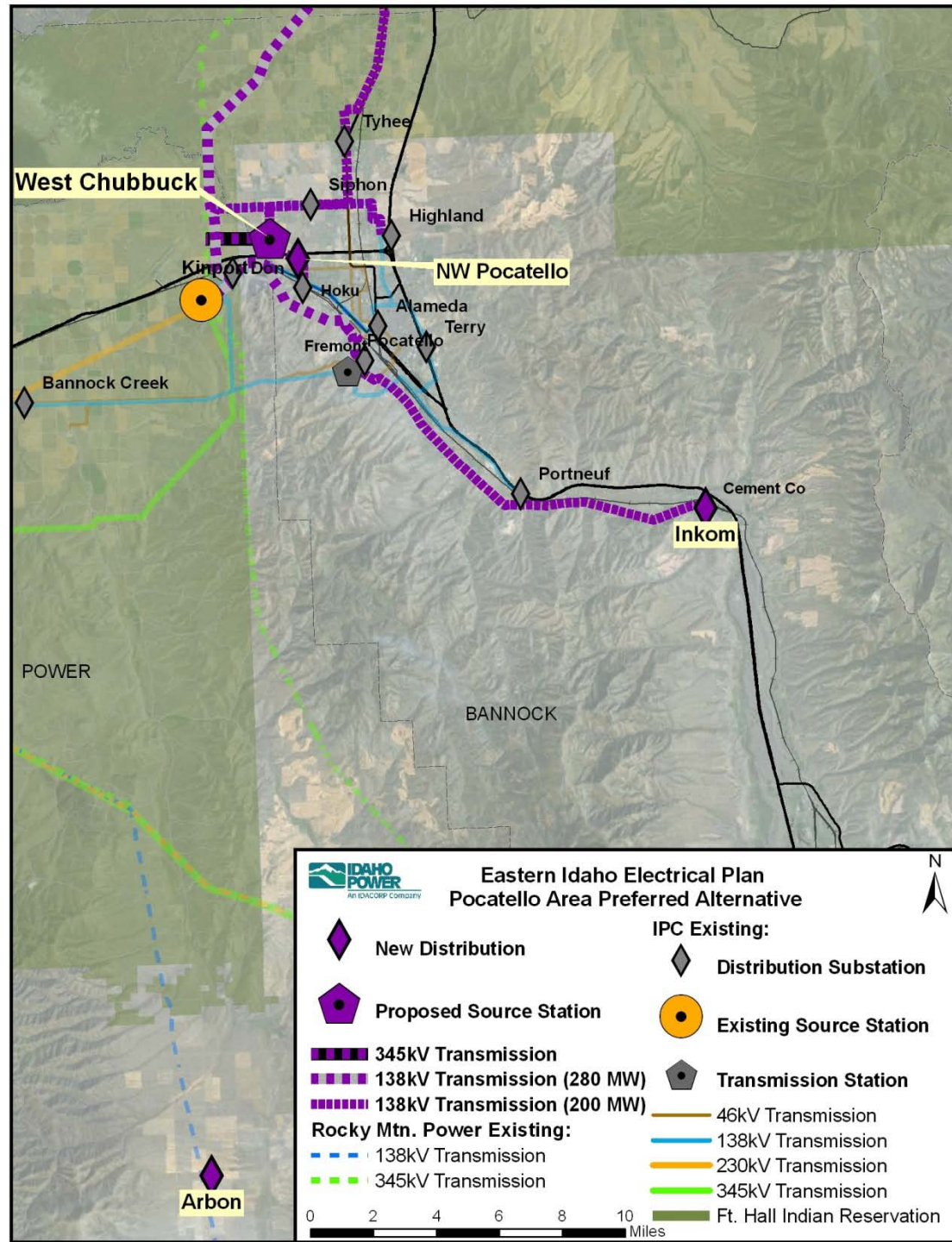


**Eastern Idaho Electrical Plan  
Preferred Alternative Blackfoot Area Details**

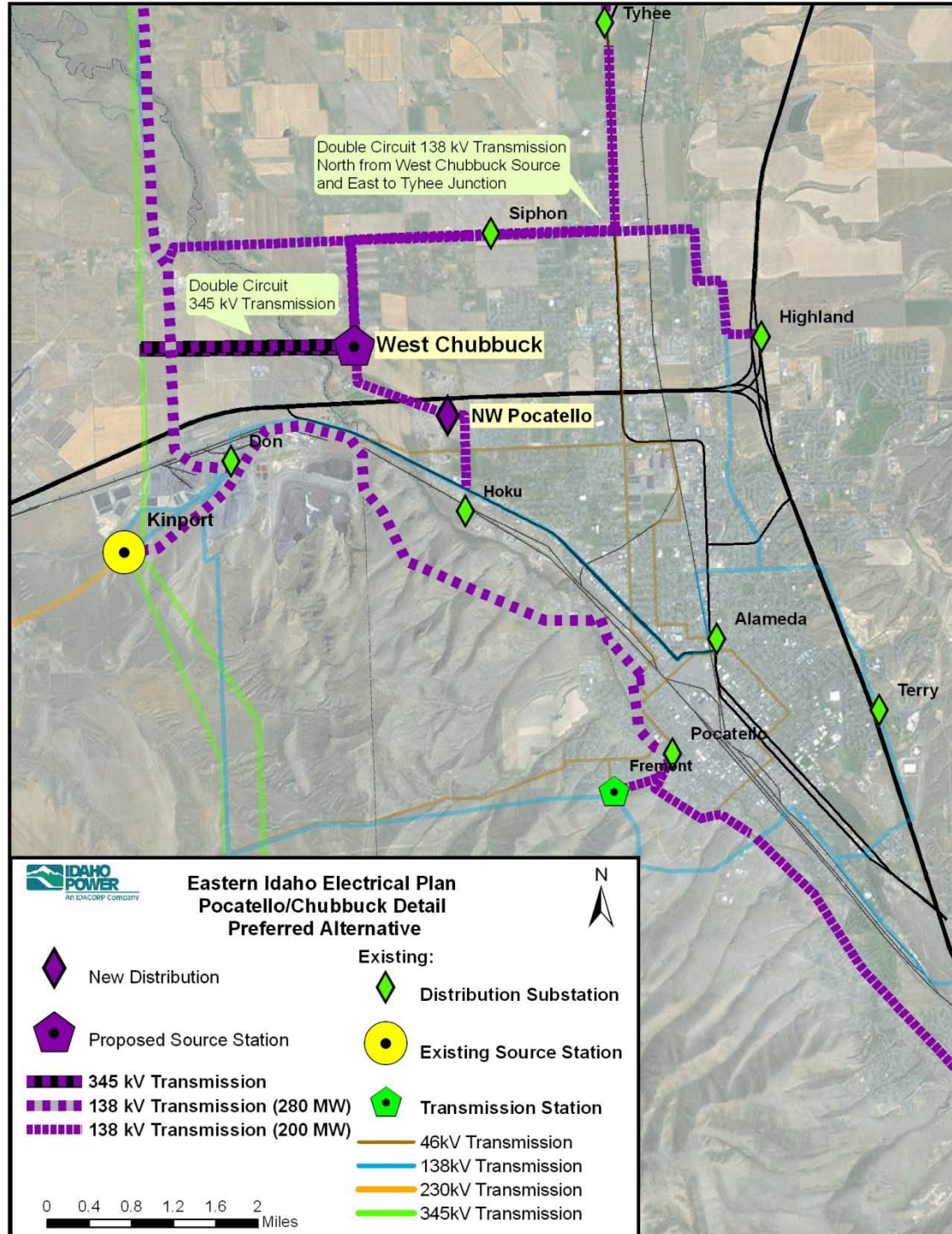
-  Distribution Substations
-  Source Substations
-  138 kV Transmission (200 MW)
-  138 kV Transmission (280MW)
- Existing**
-  Source Substation
-  Distribution Substation
-  161kV Existing
-  138kV Existing
-  46kV Existing
-  Ft. Hall Reservation



# Pocatello Area Preferred Alternative



# Pocatello/Chubbuck Detail



# System Implementation

- Plan is flexible and can change
  - Acceptable alternatives to preferred option are documented in report
  - Drivers of change are listed in the plan
- Implementation Timeline
  - 0-5 years
  - 5-10 years
  - 10-20 years
- Summarizes transmission line and siting process
- EIEP is the first step in the planning process
  - Specific project permitting process
  - Open houses
  - Public comment

# Local Plan Implementation

## **Principle Goal: Integrate EIEP into local comprehensive plans**

- Introduce EIEP to public
  - General informational meetings
  - Coordinated through economic development organizations
  - At least one per county held within short time of each other
- Presentations to interested local groups
- Present to local Planning and Zoning Commissions
- Coordinate with city and county P&Z commissions to present to County Commissioners and City Councils

# Media Coverage

- After initial public meetings, meet with media and provide specific information and copies of plan
- After final report is issued, provide link to online report to media
- CAC members encouraged to write letters to editor to promote and support plan.

# Conclusion

- Summary of need for plan
- Statement on results of EIEP
- Energy Efficiency
- Cost

# Appendixes

- Appendix A – Alternative Energy Generating Technologies
- Appendix B – Energy Efficiency
- Appendix C – Goals Document
- Appendix D – Group Mapping Results
- Appendix E – ROW Analysis
- Appendix F – Load Density Based on Zoning
- Appendix G – N-1 Reliability Criteria Example

## Next Steps

- All comments on draft report due by **December 1, 2009**
- Send via email, fax or hard copy to:

Bryan Hobson

Idaho Power Company

273 Blue Lakes Blvd South

Twin Falls, ID 83301

Email: [bhobson@idahopower.com](mailto:bhobson@idahopower.com)

Fax: (208) 736-3248

Phone: (208) 736-3235

# Next Steps

- Issue Final Report – by end of 2009.
- CAC member participation in public meetings in 2010
- CAC members help promote EIEP during process to integrate into local comprehensive plans
- Idaho Power will provide draft EIEP summary language and maps that could be inserted into comprehensive plans at jurisdiction's request
- Idaho Power will maintain plan by:
  - Using EIEP as roadmap for supporting small area studies
  - Update EIEP as necessary or in 10 years

# Idaho Power Major Projects Update

- Gateway West 500 kV Transmission

<http://www.gatewaywestproject.com/>

- Boardman to Hemingway 500 kV Transmission

<http://www.boardmantohemingway.com/>

- Langley Gulch Combined Cycle Natural Gas Generation

<http://www.idahopower.com/AboutUs/PlanningForFuture/ProjectNews/LangleyGulch/default.cfm>

# Process Evaluation & Wrap Up

- Process Evaluation
  - What worked well?
  - What improvements can be made?
- Open discussion



**Thank You !**

**Thanks to everyone for your involvement!**