Appendix C: Maps and Diagrams

Figure 2: Blue Mountain Geothermal Project Overview Map
Figure 3: Unit Agreement Area N-82457X
Figure 4: Blue Mountain Geothermal Project Area
Figure 5: Transmission Line Alignment Alternatives Considered and Eliminated
Figure 6: California Emigrant Trail
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Figure 8: Typical Geothermal Well Completion Profile
Figure 9: Typical H-Frame Tangent with Double Channel Arm and Static Wire
Figure 10: Cumulative Impacts Assessment Area
Figure 11: Recommended Construction Standards for Exclosure Fences in Livestock Areas
NOTE: Additional well approx 7 miles east at T36N R36E sec 28

Figure 2: Blue Mountain Geothermal Project Overview Map

Existing Thermal Gradient Well
Currently Approved Well
Currently Approved Access Road
Proposed Production Well
Production Pipeline
Proposed Injection Well
Injection Pipeline
Proposed Access Road
T-Line Staging Area

Geothermal Unit Agreement Boundary
Proposed Geothermal Operations Area (Well field and Power Plant)
Aggregate Sites (2)
Proposed Transmission Line Corridor
Water Well (7)
Fresh Water Line
Selected Ground Water Well

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Map Date: Nov 1, 2007
Figure 3: Unit Agreement Area N-82457X

- Geothermal Unit Agreement Boundary
- Federal Lease N-xxxxx

10,994.62 Acres Total
- BLM - 5,262.34 Acres
- Private - 5,732.28 Acres

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Map Date: Aug 16, 2007
Figure 5: Transmission Line Alignments
Alternatives Considered and Eliminated

Project data from NGP - July 2007

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Map Date: Aug 16, 2007
Figure 6: California Emigrant Trail
Project data from NGP - July 2007

- **California Trail**
- **Transmission Line Corridor**
- **Alternate T-Line Route**
- **Existing Power Line**
- **Proposed Geothermal Operations Area (with Power Plant site shown)**
- **Unit Agreement Area**
- **BLM**
- **Private**
- **Water**

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Map Date: Oct 24, 2007
Figure 7: Typical Well Pad Layout
Figure 8: Typical Geothermal Well Completion Profile
CONSTRUCTION NOTES:

1. ALL HARDWARE TO BE BONDED EXCEPT X-ARM (X-ARM BONDING TO BE SPECIFIED BY ENGINEER).
2. ADDITIONAL GROUNDING AS REQUIRED SHALL BE SPECIFIED BY THE ENGR.
3. DIMENSIONS "A" & "B" TO BE SPECIFIED BY SPPC & ENGINEER. DIMENSION "A" TO BE A MINIMUM OF 6'-6" & DIMENSION "B" TO BE A MINIMUM OF 7'-0".
4. USE BONDING CLIP IF AVAILABLE, OR DOUBLE NUT TO THREADED END OF BOLT FOR BONDING CONNECTION.
5. ALL CALIFORNIA WOOD POLE STRUCTURES (750 V. & ABOVE) REQUIRE HIGH VOLTAGE SIGNS 40" MAX. FROM TOP OF SIGN TO LOWEST PRIMARY CONDUCTOR. REFER TO G.O. 95 RULE 51.6A.

Figure 9: Typical H-Frame Tangent with Double Channel Arm and Static Wire
Figure 10: Cumulative Impacts Assessment Area

Project data from NGP - July 2007

**Watershed Boundary**
1 - Desert Valley Wash
2 - Upper Silver State Valley Wash
3 - Humboldt River / Dun Glen
4 - Humboldt River / Clear Creek
5 - Rye Patch Reservoir

**Legend**
- **BLM**
- **Private**
- **Transmission Line Corridor**
- **Existing Power Line**
- **Geothermal Unit Agreement Boundary**
- **Proposed Geothermal Operations Area**

**Map Date:** Oct 24, 2007
Figure 11: Recommended Construction Standards for Exclosure Fences in Livestock Areas

End Panel-Type 1

End Panel-Type 2

Mortise Detail

Stress Panel

Panel at Minor Depression

Line Panels