



Enel North America Utah Geothermal Working Group Meeting

Cedar City Utah, April 22nd, 2008

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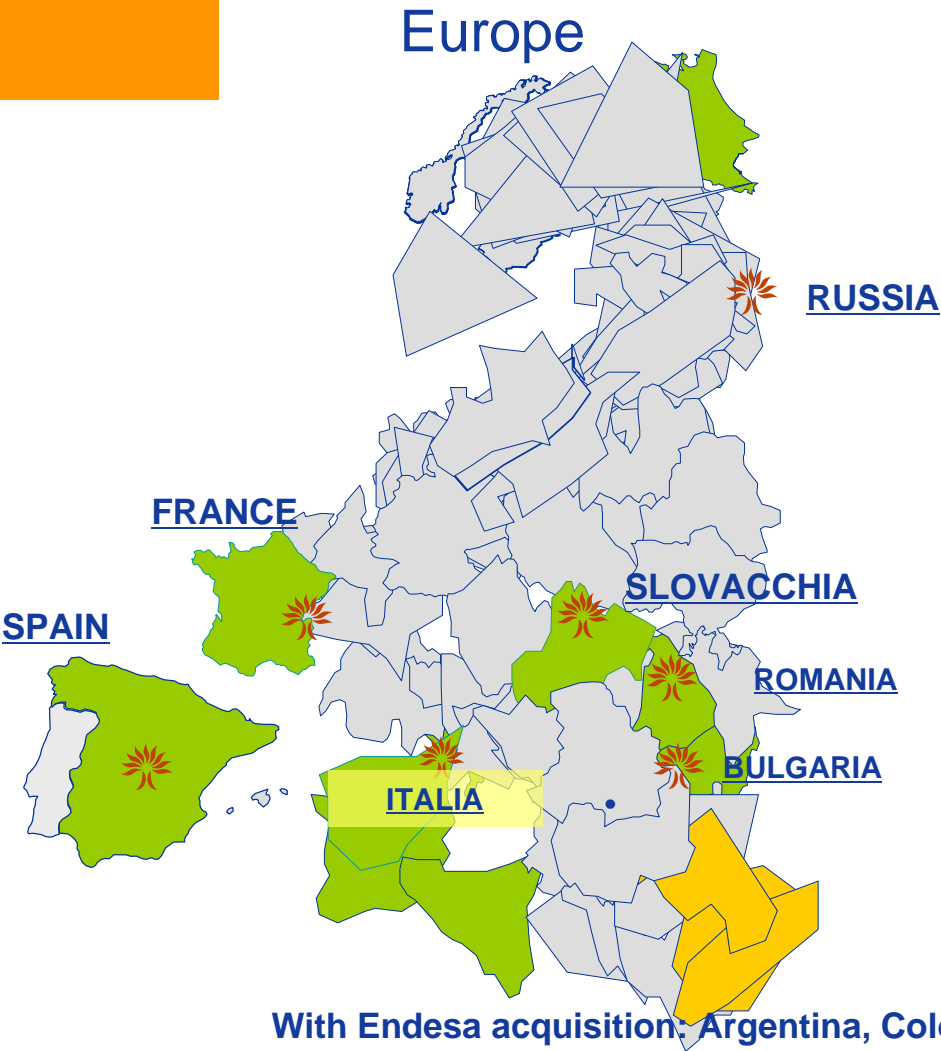
A brief overview of Enel

- The second-largest listed utility in Europe with a market capitalisation of EUR 45 billion;
- 53,000 MW of generating capacity worldwide, increased to 80,000 MW with Endesa acquisition in year 2007: wide range of hydroelectric, thermoelectric, nuclear, geothermal, wind-power, and photovoltaic power stations;
- With Endesa acquisition, Enel extended its activity in 21 countries;
- The first utility in the world to replace its customers' traditional electromechanical meters with modern electronic devices

Enel aims to be the most efficient, market driven, quality-focused provider of power and gas, creating value for shareholders and satisfying customers while enhancing the professional growth for all its employees.



Enel in the world



Over 80,000 MW * over 50 million customers



Long-Term Commitment to Renewable Energy

Recent announcement to invest 4.1 billion euro in
Renewable Energy Worldwide

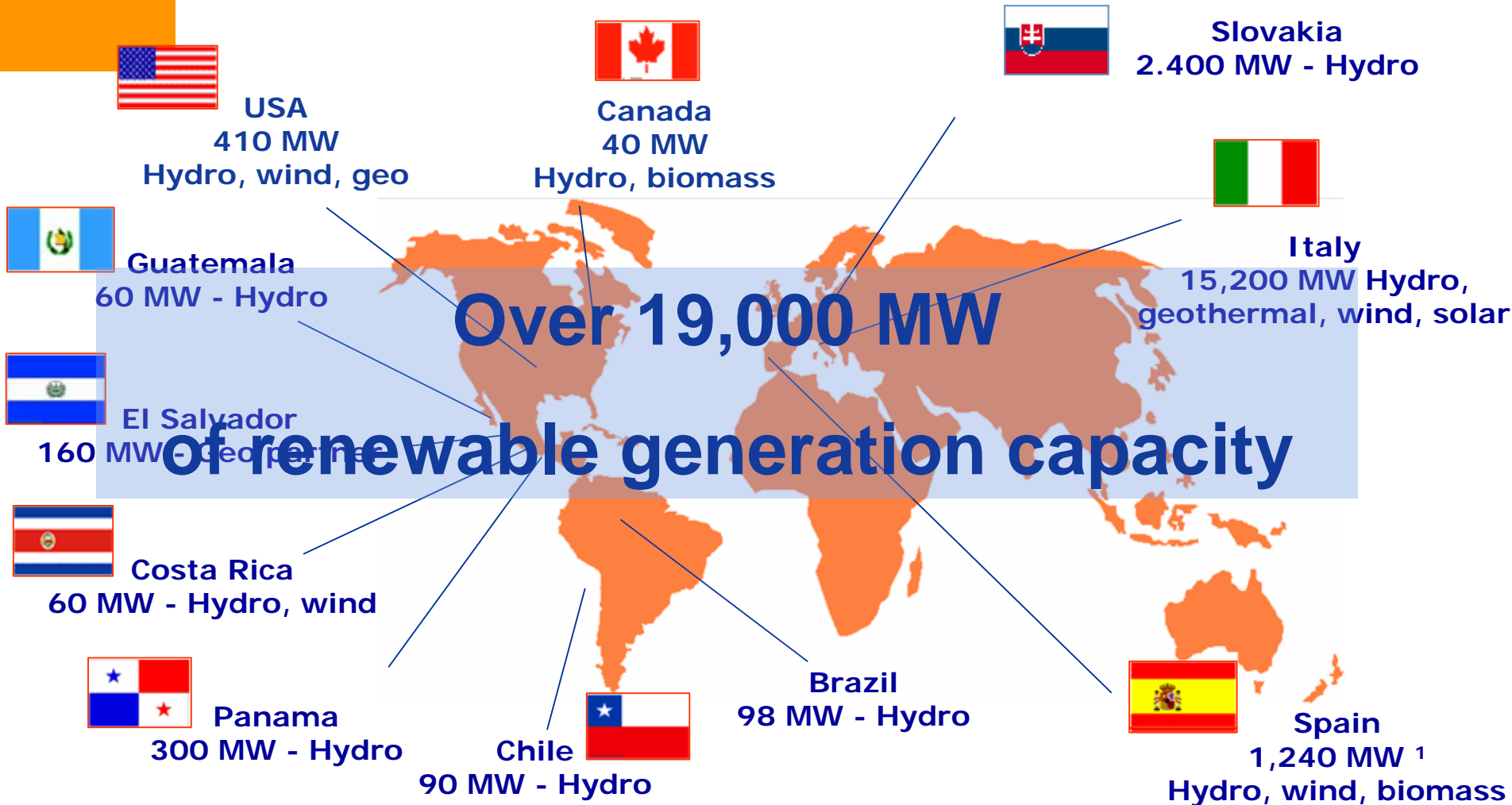
NOT CHANGING
THE WORLD:
THAT'S THE REAL
REVOLUTION.

RATHER THAN CHANGING
THE PLANET, WE HAVE ALWAYS
PREFERRED TO CHANGE OURSELVES

www.enel.it/environment



Enel's Renewable Energy Portfolio



⁽¹⁾ including plants in partnership



Enel's Geothermal Project Portfolio

United States

Enel North America, Inc.

(formerly AMP Resources):

14 MW Operating; about 150 MW to be developed in Nevada, Utah & California

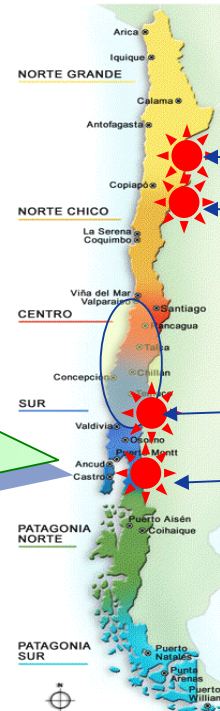
Italy

Pioneered Geothermal over 100 Years Ago

Over 700 MW operating today at Larderello and surrounding Areas

Over 100 MW to be developed

Chile



Apacheta
La torta

Calabozo
Chillan

Partnership with ENAP
ENG s.a & GDN s.a.

Guatemala

1 project under exploration

Nicaragua

Partnership with LaGeo, SA

2 projects under exploration



Ahuachapán

Berlin

El Salvador

Partnership with LaGeo, SA

Over 160 MW in operation
over 50 MW to be developed

Over 880 MW in operation

Over 400 MW under development



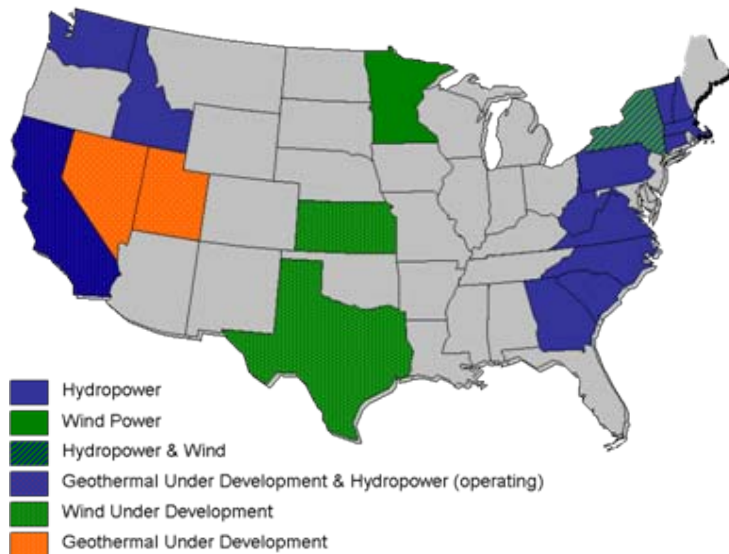
Enel North America

•Independent Power Producer

- Established in December 2000 when Enel purchased CHI Energy, Inc, a company founded in 1985 to develop and own small hydroelectric projects;

•**100% Renewable Energy:** Uniquely diversified renewable energy company with four renewable technologies in its portfolio

- » Hydropower
- » Wind
- » Biomass
- » Geothermal



Operator and developer of renewable energy plants in North America, with project activities (operating and under development) in 21 U.S. States and 3 Canadian Provinces;

In Operation: 70 plants with an installed capacity of around 410 MW

Under Development:

164 MW Wind (Texas and Kansas)

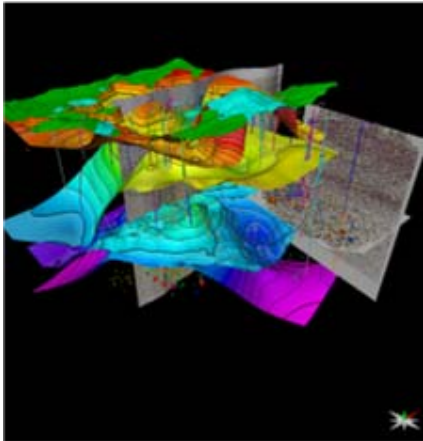
150 MW Geothermal (Nevada, Utah and California)

Additional 1000 MW of wind in the long-term pipeline with partnership with TradeWind Energy LLC



Enel vertically integrated on geothermal process

**RESOURCE
EXPLORATION
& ASSESSMENT**



DRILLING



**ENGINEERING
& CONSTRUCTION**



**OPERATION &
MAINTANANCE**



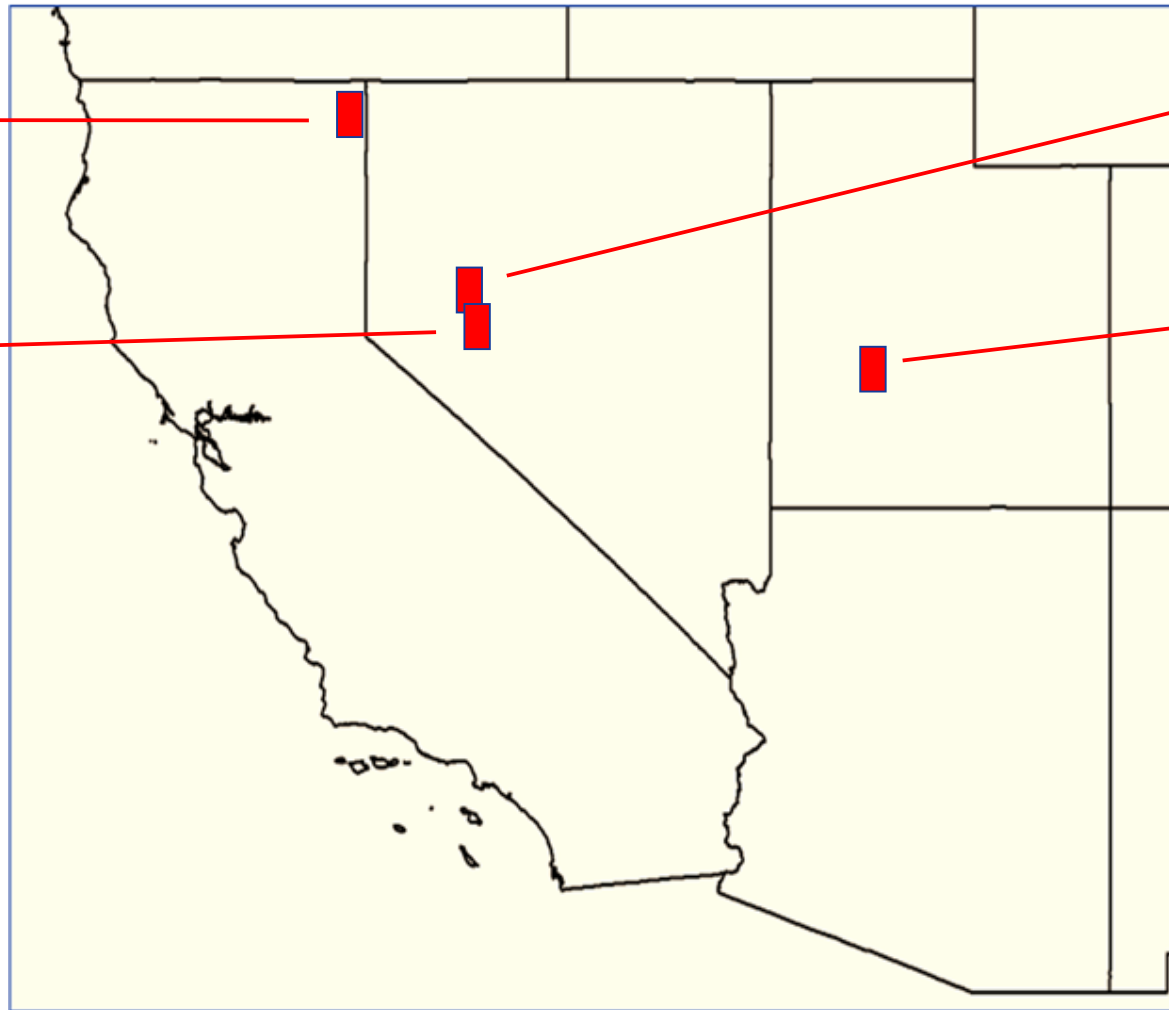
ENEL North America Geothermal Projects - Overview

Surprise
Valley, CA

Salt Wells,
NV

Stillwater,
NV

Cove Fort,
UT



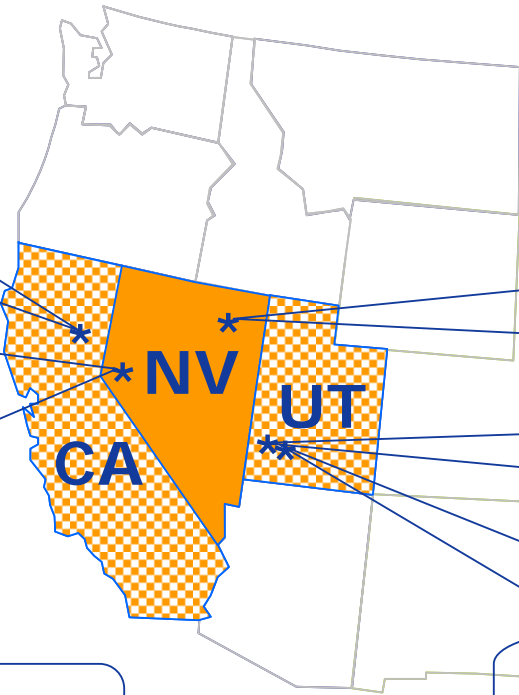
ENA Geothermal projects



~38 Net MW in Development at Surprise Valley (CA)

7 Net MW in Operation at Stillwater (To be replaced by Stillwater II in 2008: ~34 Net MW)

Other possible additional developments



~14 Net MW in Development at Salt Wells (NV)

~19 Net MW in Development at Cove Fort I (UT)

Cove Fort's Future Expansion: ~33 Net MW

~150 Net MW portfolio of geothermal projects at different stage

North America_ Still Water (NV)

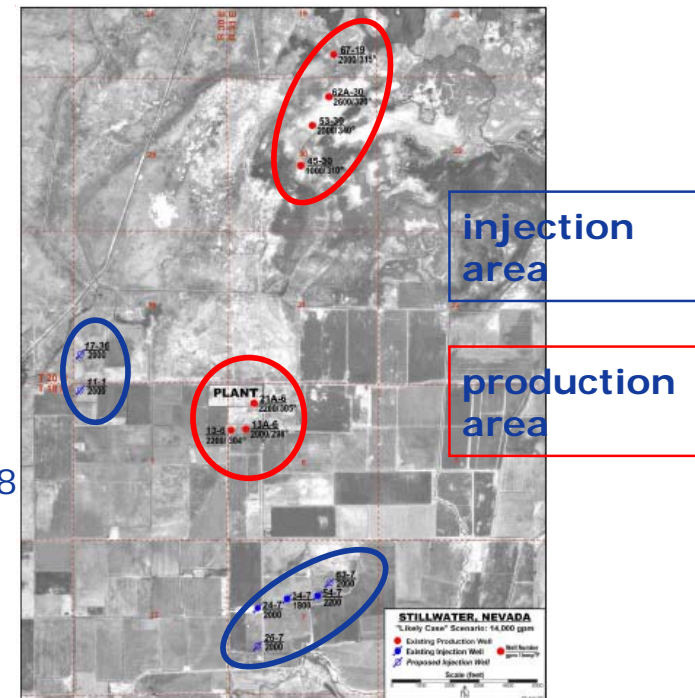
Currently in operation

- Binary cycle power plant operating at Stillwater since 1989.
 - 16 MW, 14 ORC units, iso pentane working fluid, air cooled
 - 5 - 7 MW net generation depending on the time of the year
- Geothermal fluid production
 - 7,000 gallons per minute at 290 - 305 °F
 - N. 4 production wells
 - N. 3 reinjection wells

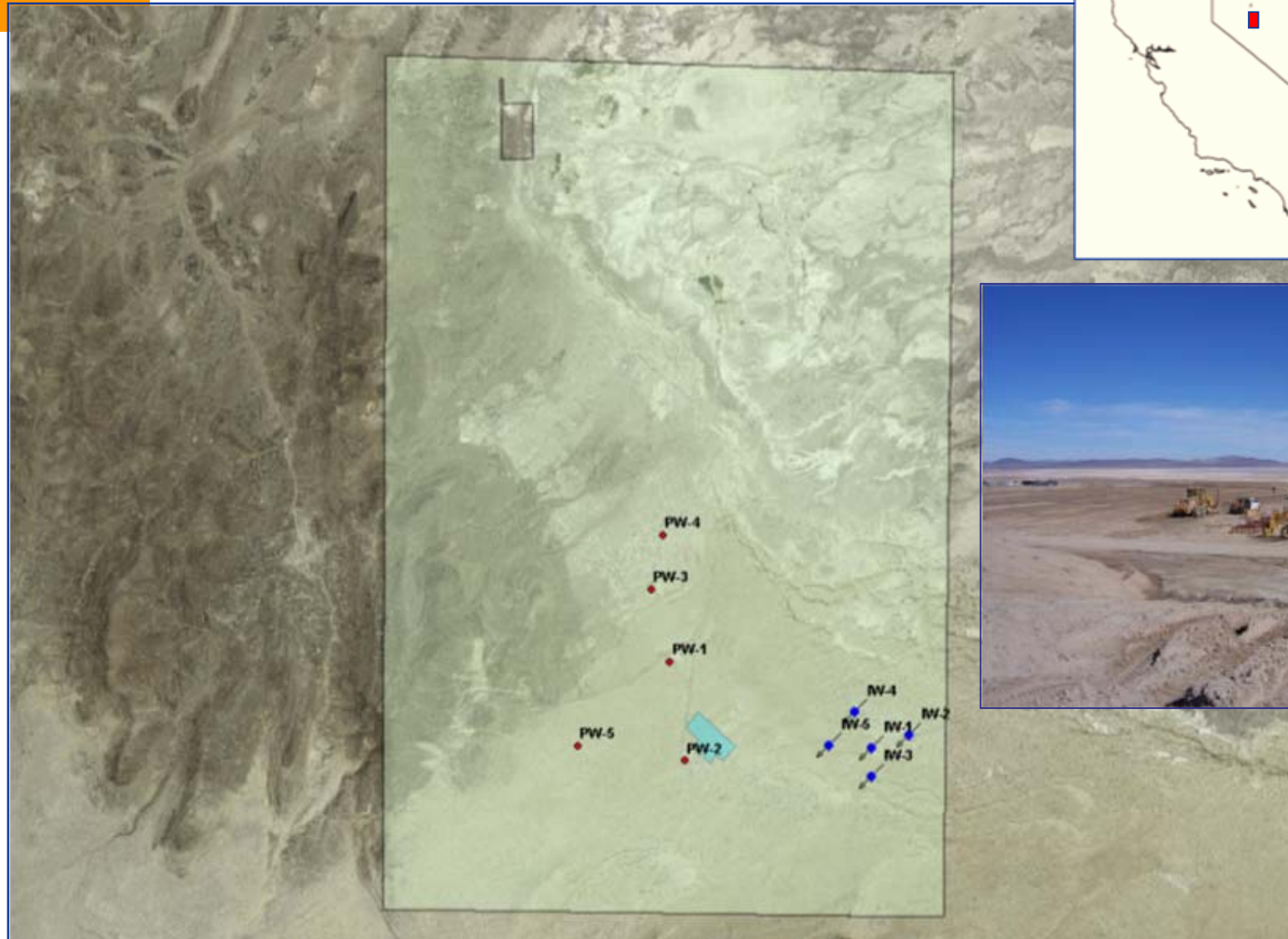
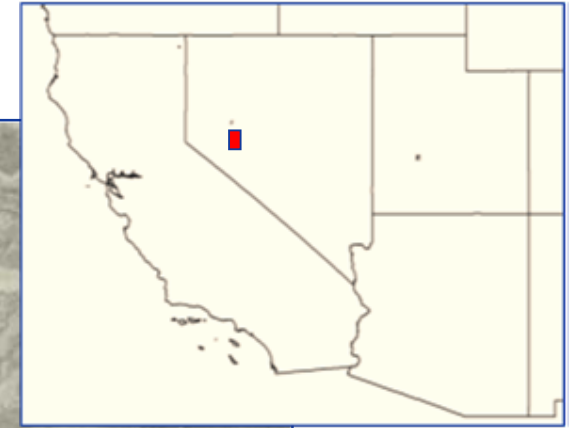
Development Plan

- Binary cycle power plant to be in commercial operation by Dec, 2008
 - 48 MW 4 ORC units, iso butane working fluid, air cooled
 - 34 MW net generation depending on the time of the year
- Geothermal fluid production
 - 14,500 gallons per minute at 310 °F
 - N. 7 production wells (existing)
 - N. 7 reinjection wells (n. 4 new wells to be drilled)

Use: Public



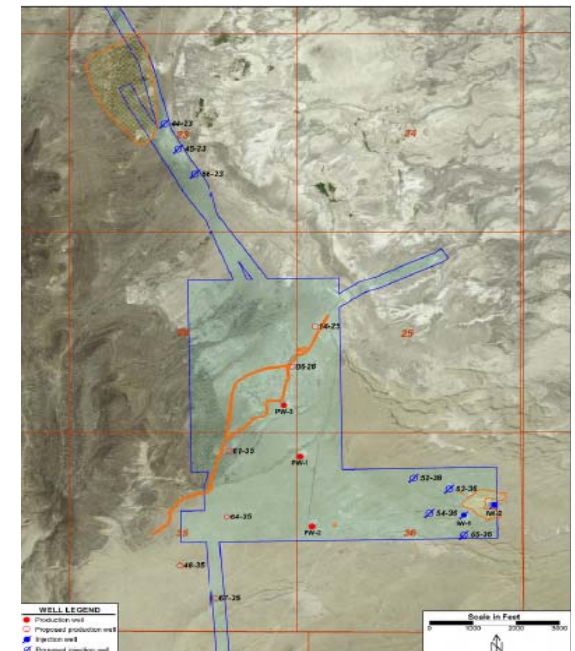
Salt Wells Geothermal Project



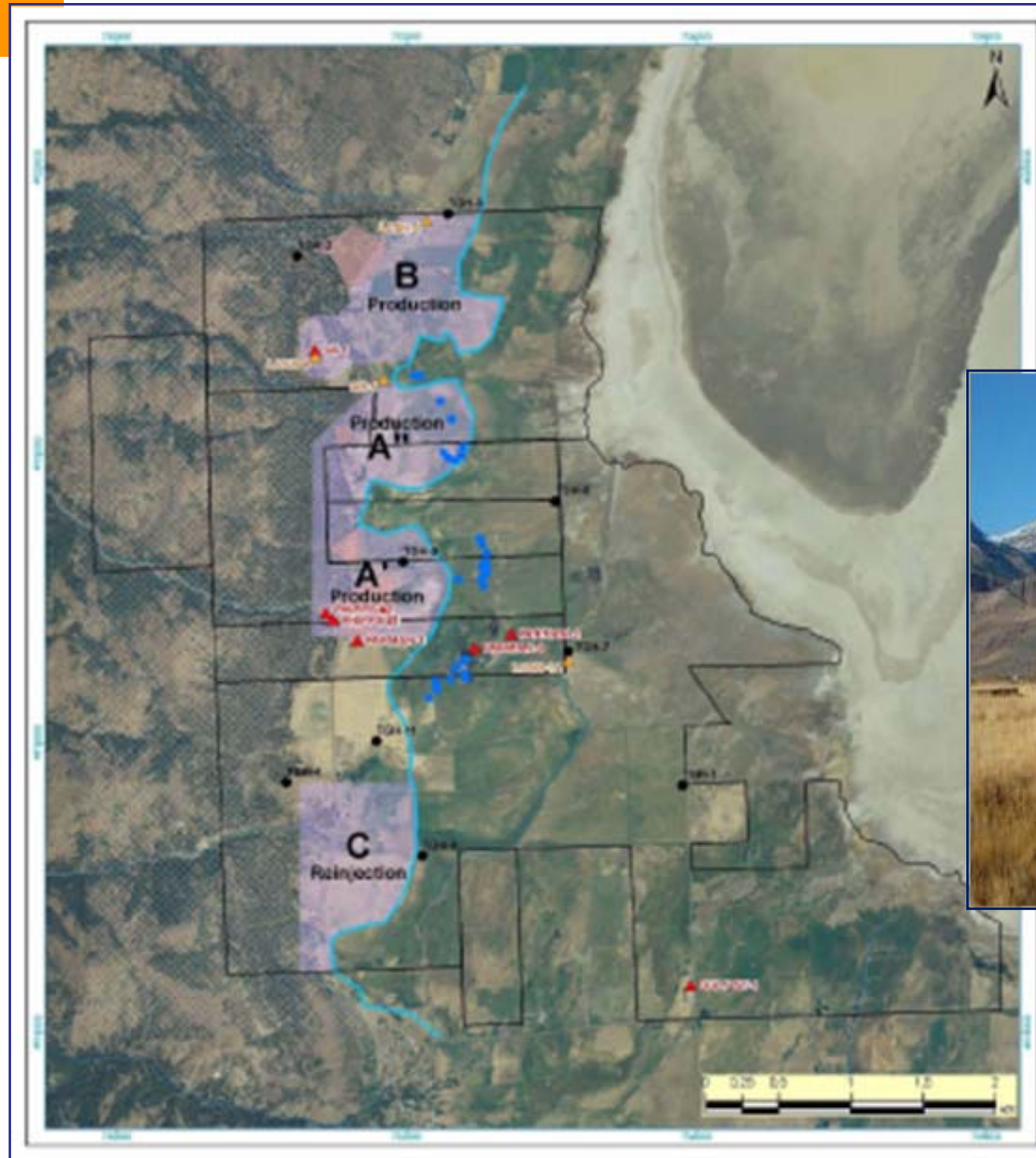
North America_ Salt wells

Development plan

- Binary cycle power plant to be in commercial operation by Dec, 2008
 - 19 MW 2 ORC units, iso butane working fluid, air cooled
 - 14 MW net generation depending on the time of the year
- Geothermal fluid production
 - 10,200 gallons per minute at 275 °F
 - N. 4 production wells (n.3 existing and n.1 to be drilled)
 - N. 4 reinjection wells (n.1 existing and n.3 to be drilled)

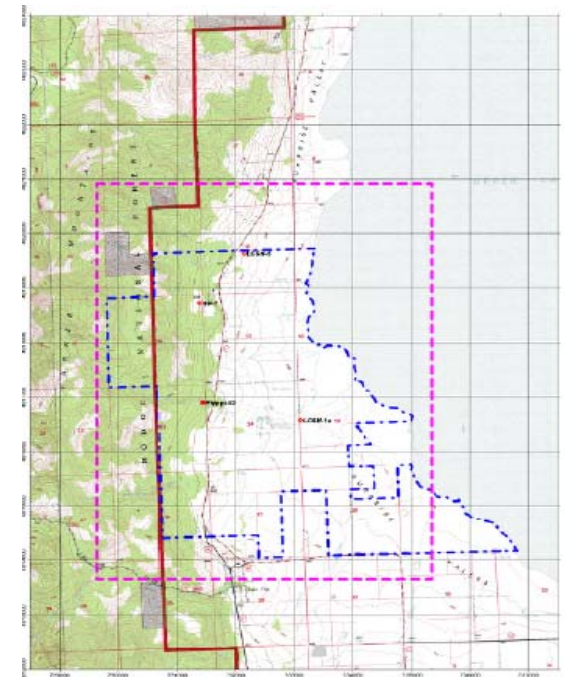


Surprise Valley Geothermal Project

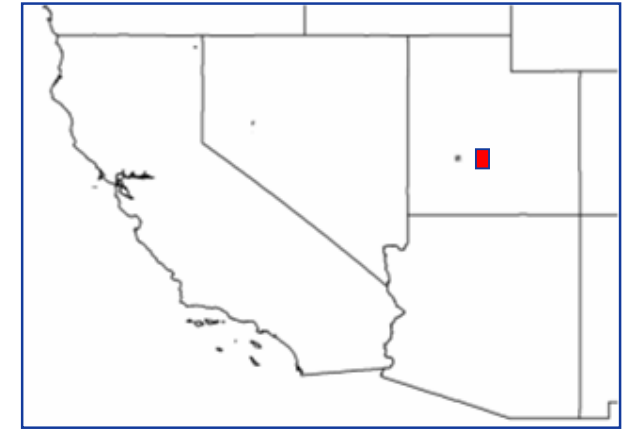
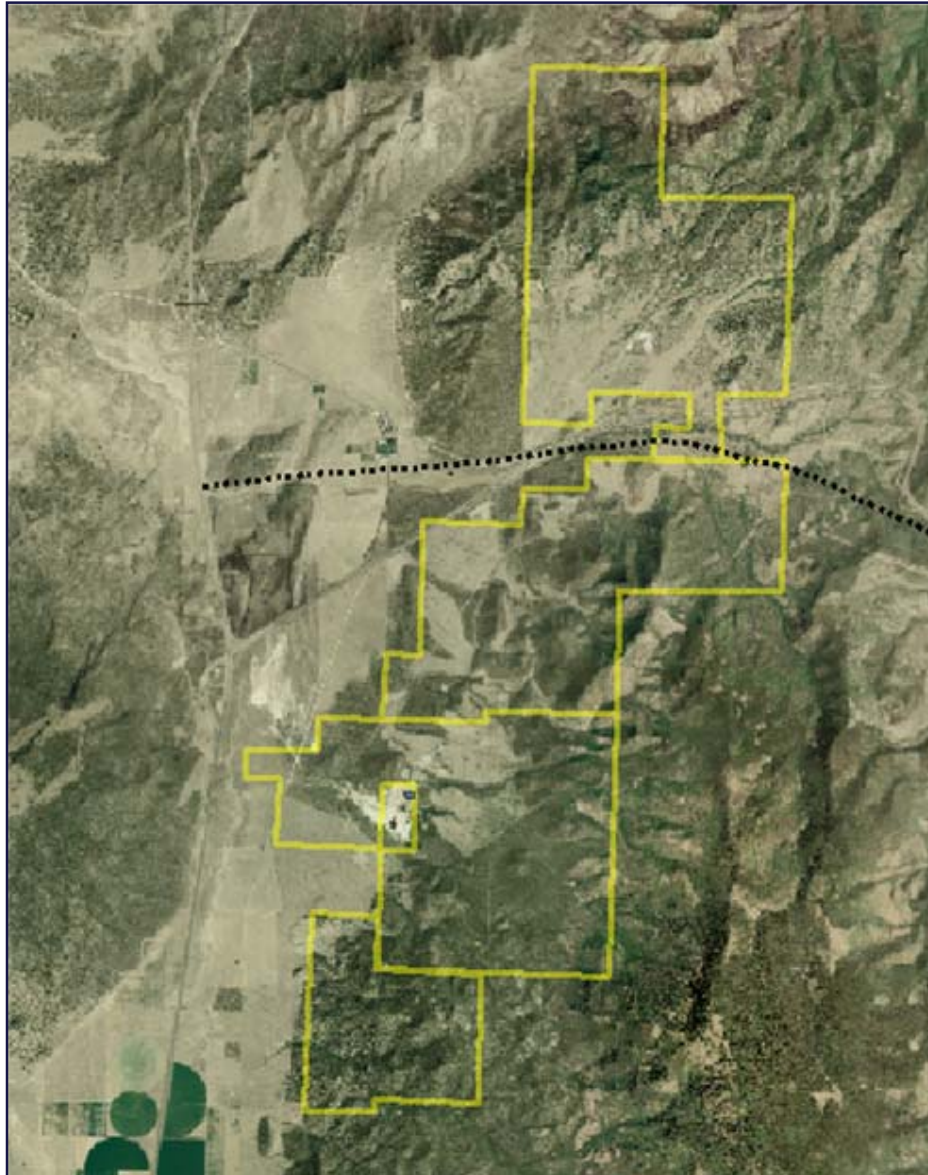


North America_ Surprise Valley Development plan

Binary cycle air cooled power plant to be in commercial operation in 2010



Cove Fort Geothermal Project



Cove Fort

- Well 44-7 was completed on October 13th, 2005 by AMP Resources, Cove Fort, LLC.
- Enel purchased the Cove Fort Project in first Quarter 2007.
- Fourth Quarter 2007 Enel North America (ENA) completed some surface geophysical surveys (MT Survey) with the help of BLM, Forest Service and Private landowners in the area. This information was forwarded to our Generation and Energy Management (GEM) group in Italy for evaluation.
- To date three areas of interest have been identified. We will be actively pursuing permits to drill wells in these areas.

North America_Cove Fort

Development plan

- Geothermal fluid production
 - +/- 6,600 gallons per minute at 315 °F
- Binary cycle water- air cooled power plant to be in commercial operation in 2010

MW

Gross Plant Capacity

26

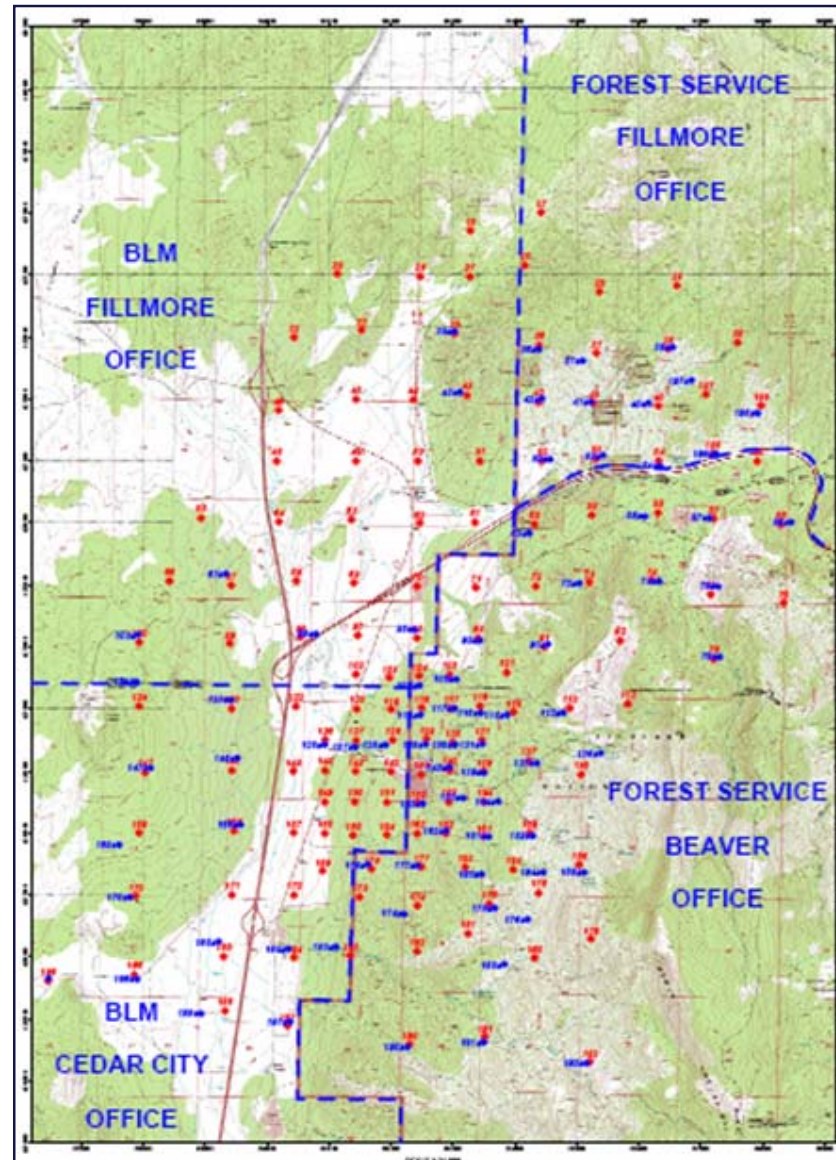
Projected Net Capacity

19

? Steam Plant (5 existing wells) 7 MW

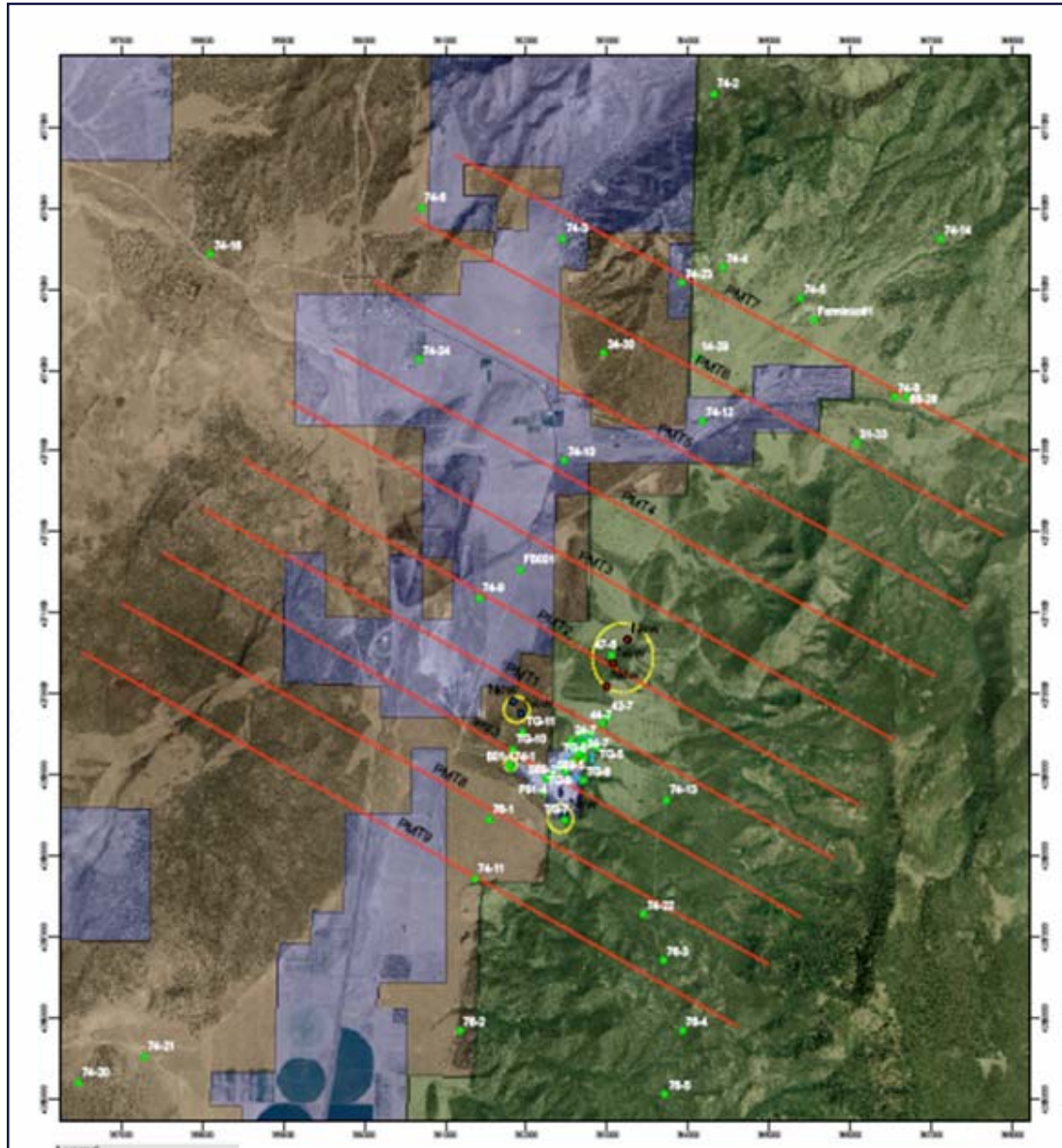


Cove Fort – Magnetotelluric Survey: Nov-Dec '07



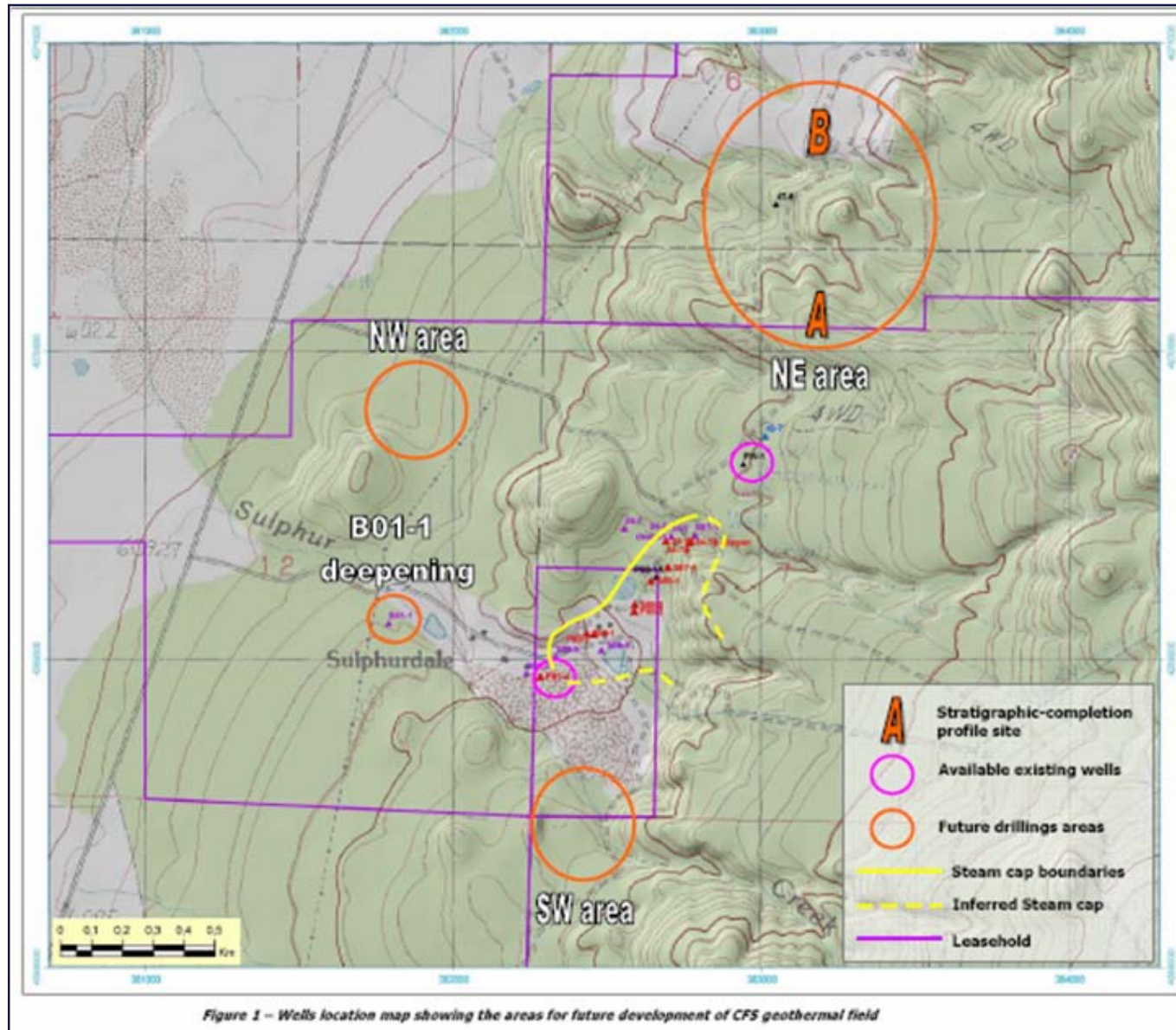
- 140 Stations
- MT & TDEM

Cove Fort – Modeling



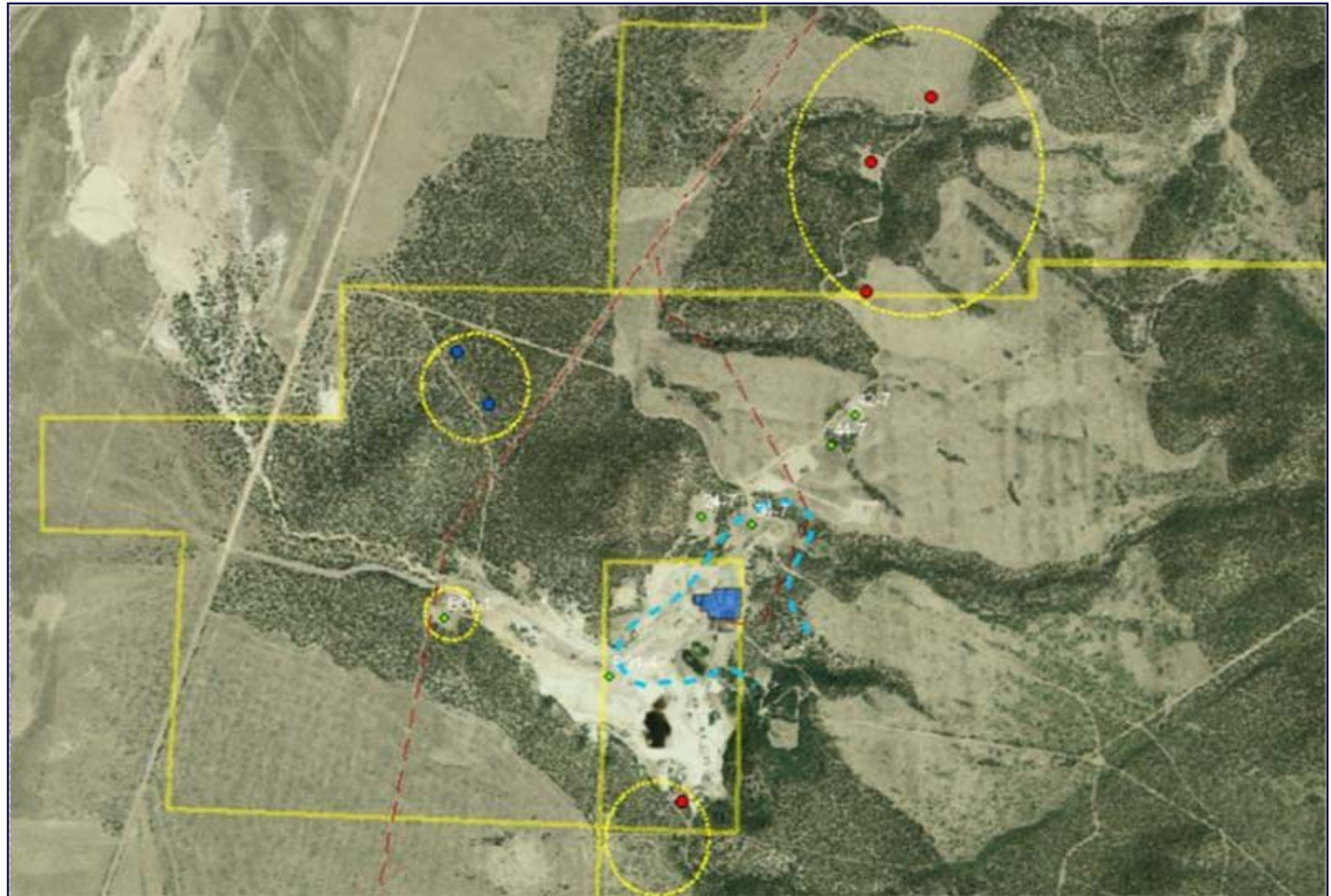
- Selected Transects
- Modeled & correlated
 - Well Lith/Strat
 - MT
 - Gravity
 - Geology
- Constructed reservoir surface
- Selected well sites

Cove Fort – '08 Primary Area of Interest



Cove Fort – New Well Selection

- Existing Wells
- (Proposed Injection
- (Proposed Production
- Steam Cap
- Lease Blocks
- Future Plant Site
- Transmission Lines



Thanks for your attention

For any further information please contact

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