



Cellphones on Stun, Please

Welcome to Needles

Heart of the Mojave

Welcome to Needles

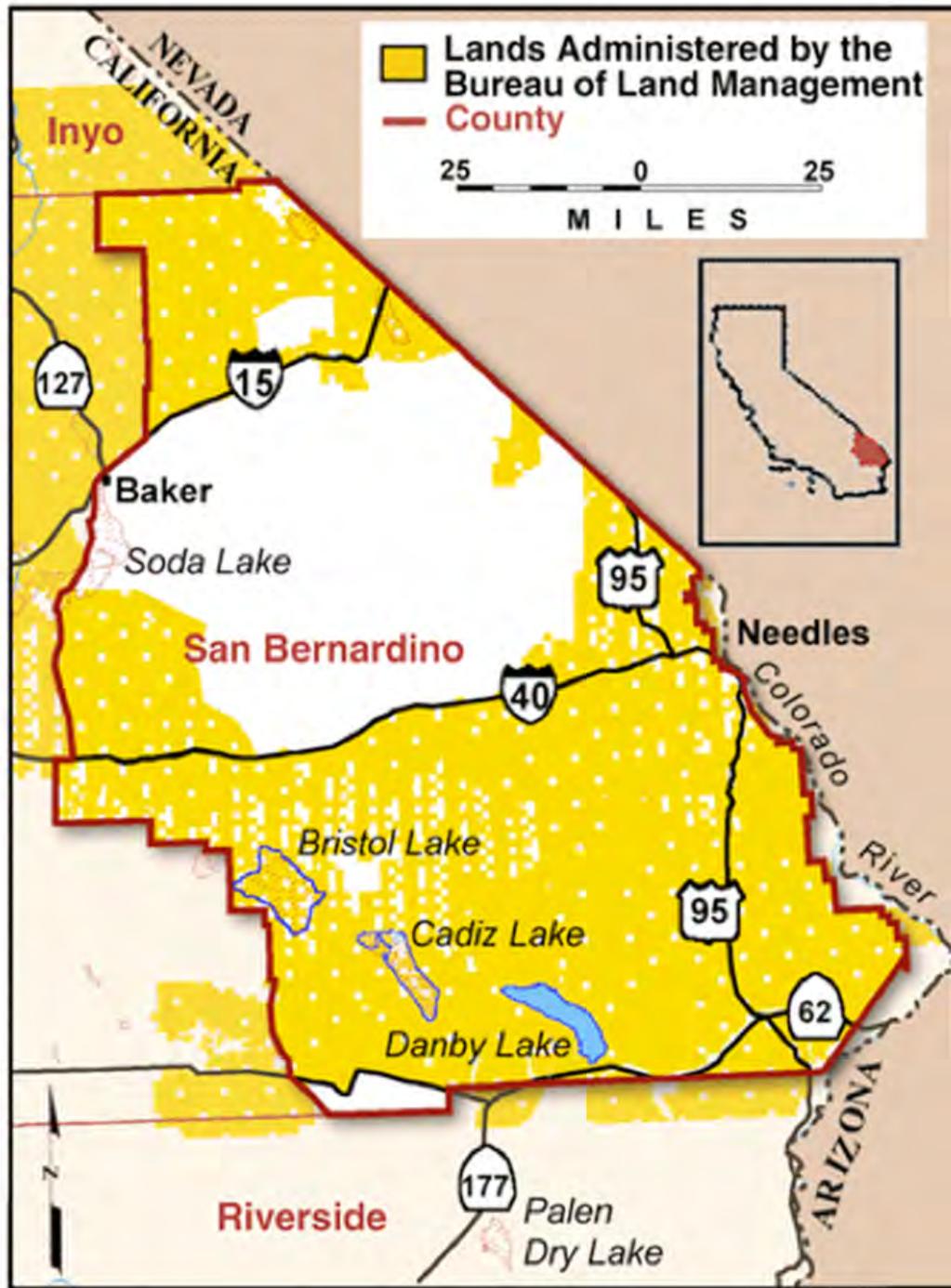
or is it
Mojave Trails?

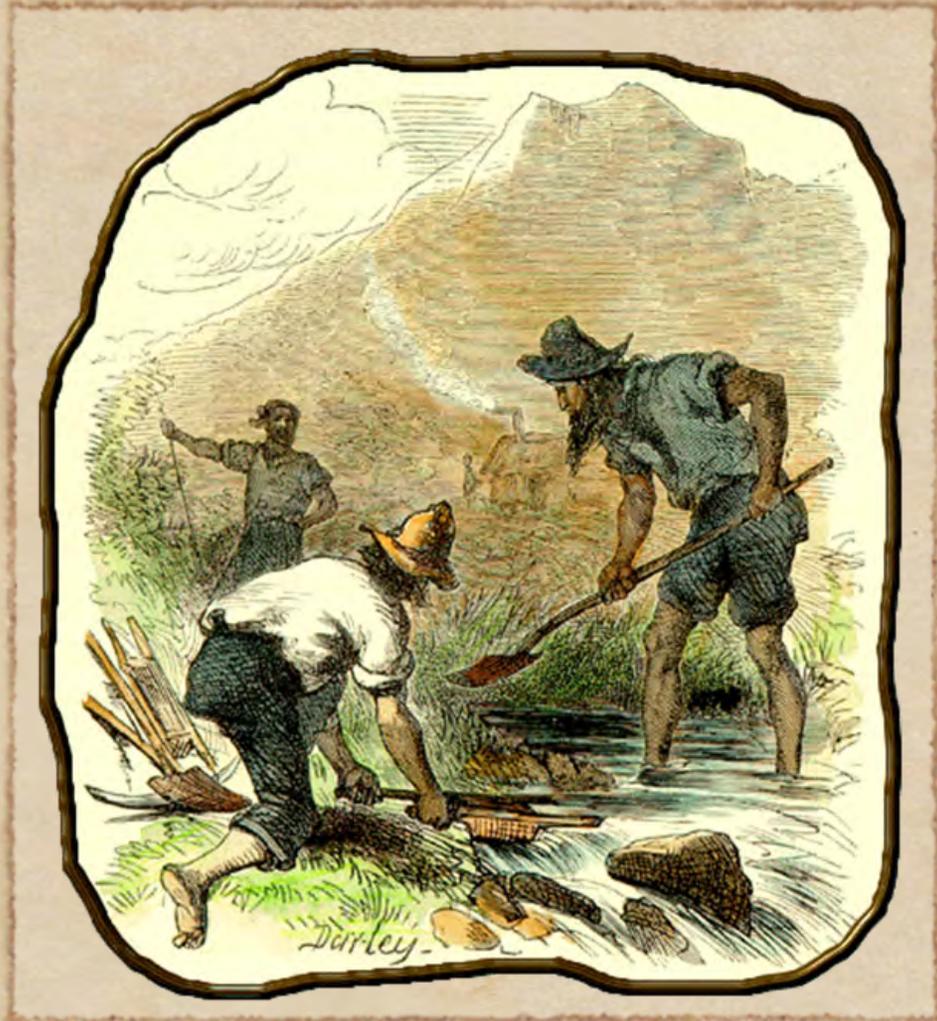


Times have changed!



or have they?





Some background...

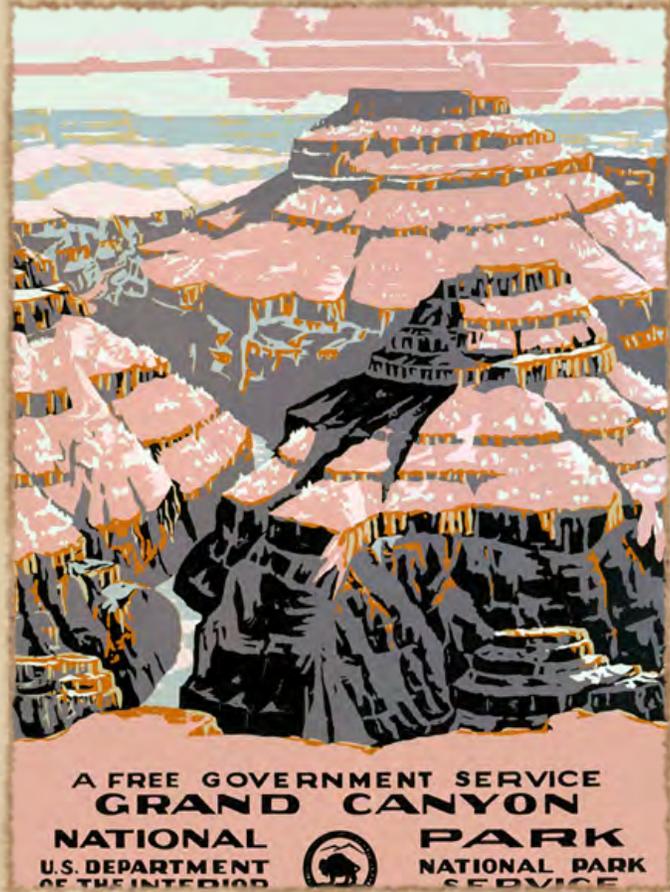


You needed to get there...

Foot



Foot



Foot
Wagon



Foot
Wagon
or
Ship

A NEW AND MAGNIFICENT CLIPPER FOR SAN FRANCISCO.
MERCHANTS' EXPRESS LINE OF CLIPPER SHIPS!
Loading none but First-Class Vessels and Regularly Dispatching the greatest number.
THE SLENDID NEW OUT-AND-OUT CLIPPER SHIP



CALIFORNIA
HENRY BARREN, Commander, AT PIER 13 EAST RIVER.

This elegant Clipper Ship was built expressly for this trade by Samuel Hall, Esq., of East Boston, the builder of the celebrated Clippers "St. James," "Hannock," "John Gilpin," and others. She will fully equal them in speed! Unusually prompt dispatch and a very quick trip may be relied upon. Engagements should be respected at once.

Agents in San Francisco,
THOMAS DE WITT RIDDLE & CO.

RANDOLPH M. COOLEY, 88 Wall Street, Tenth Building.

And the
ultimate:
T
rains



They came for
more than hard
gold.

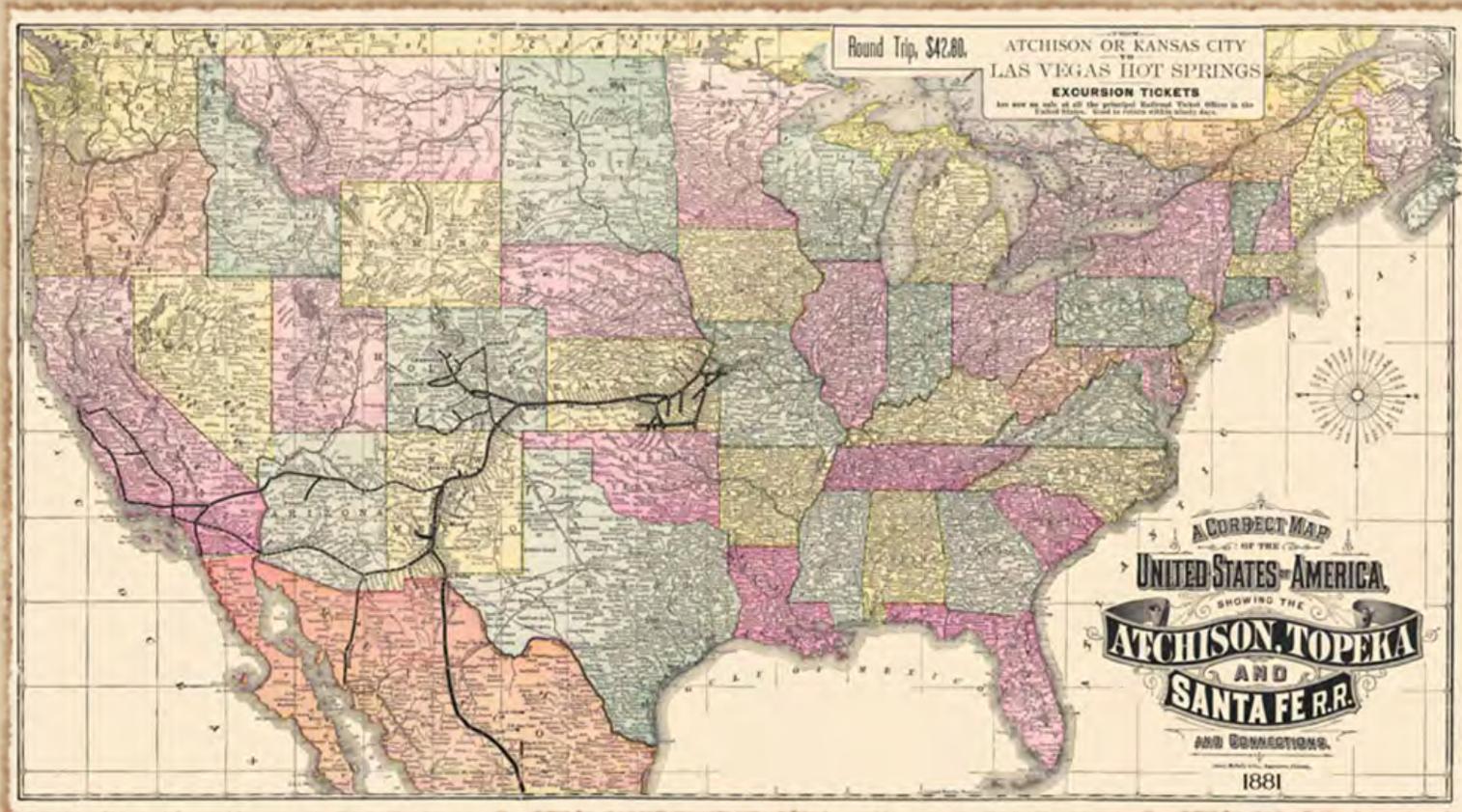


Which
led
to
Cars.



Needles is a place of
Transition

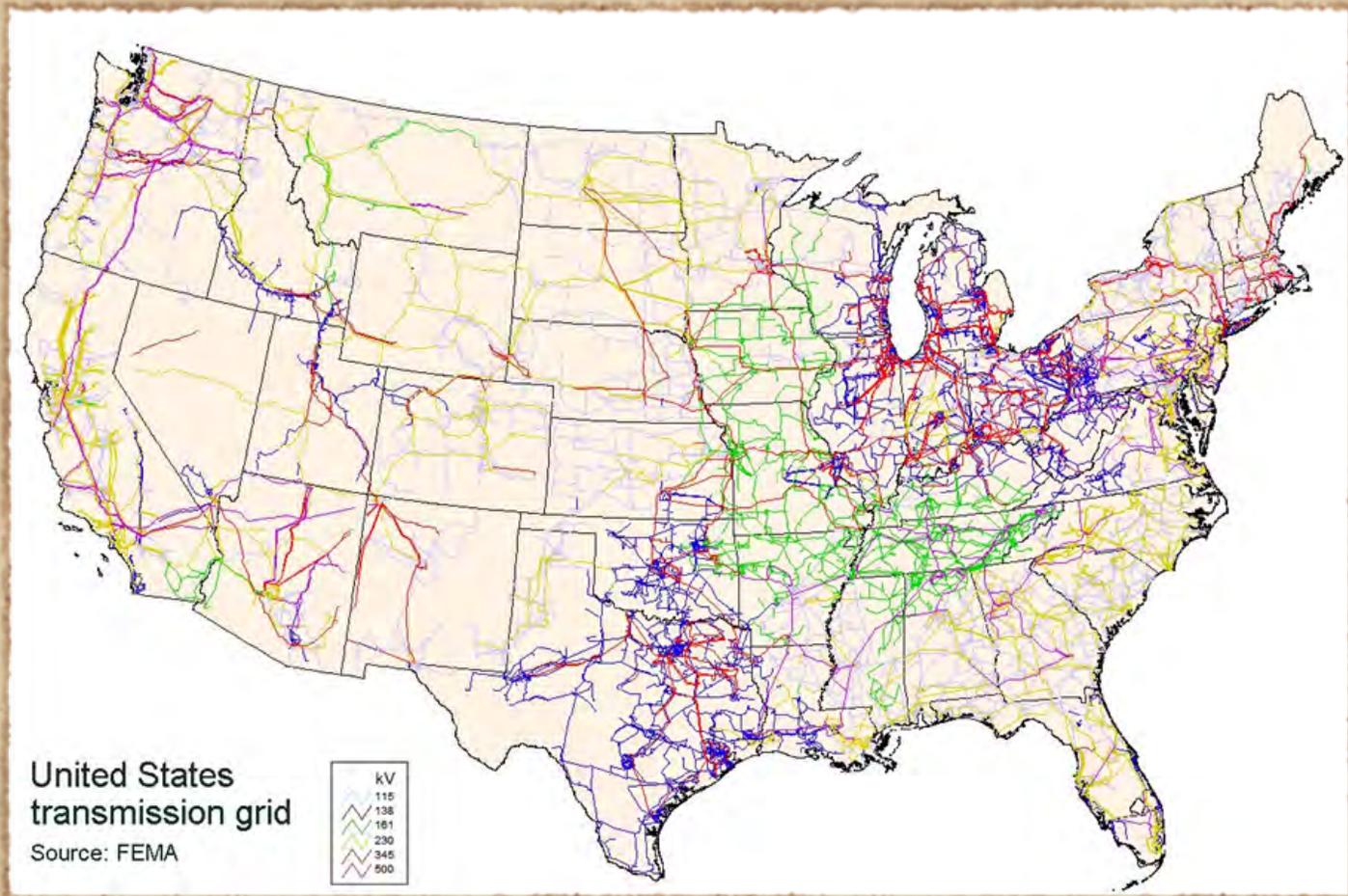
Needles is a place of
Connectivity



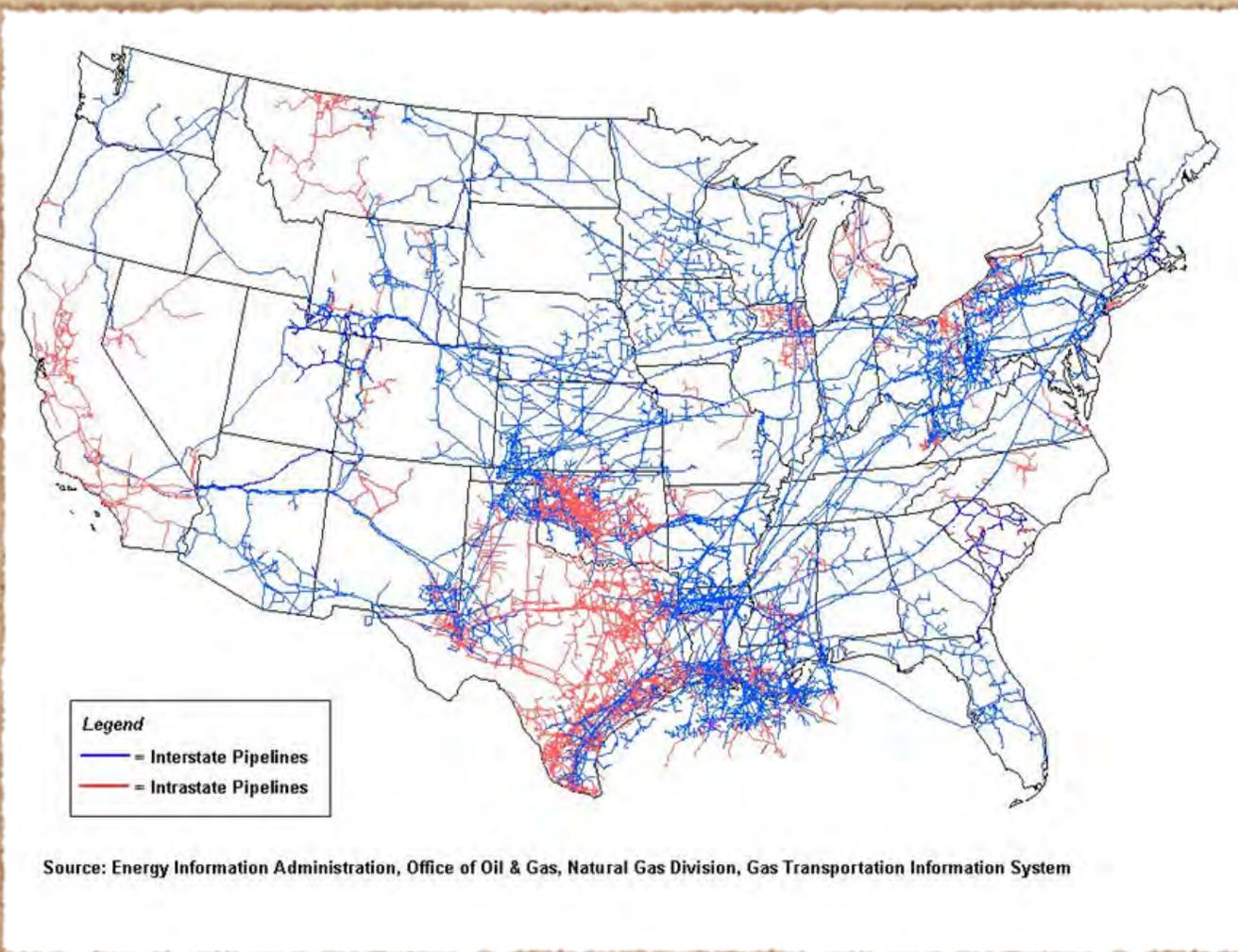
Railroads



Interstate Highways



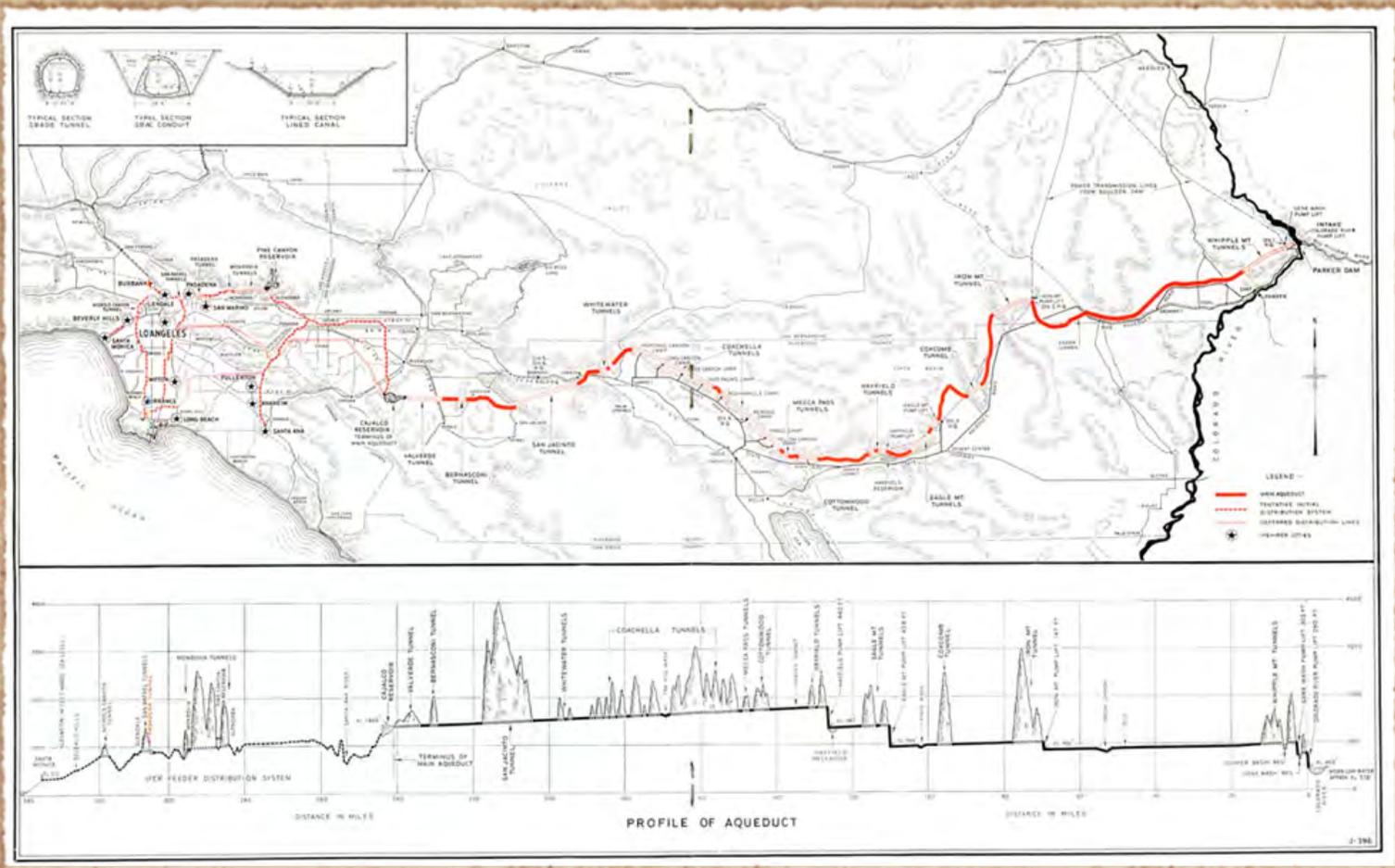
Interstate Power Grid



Gas...



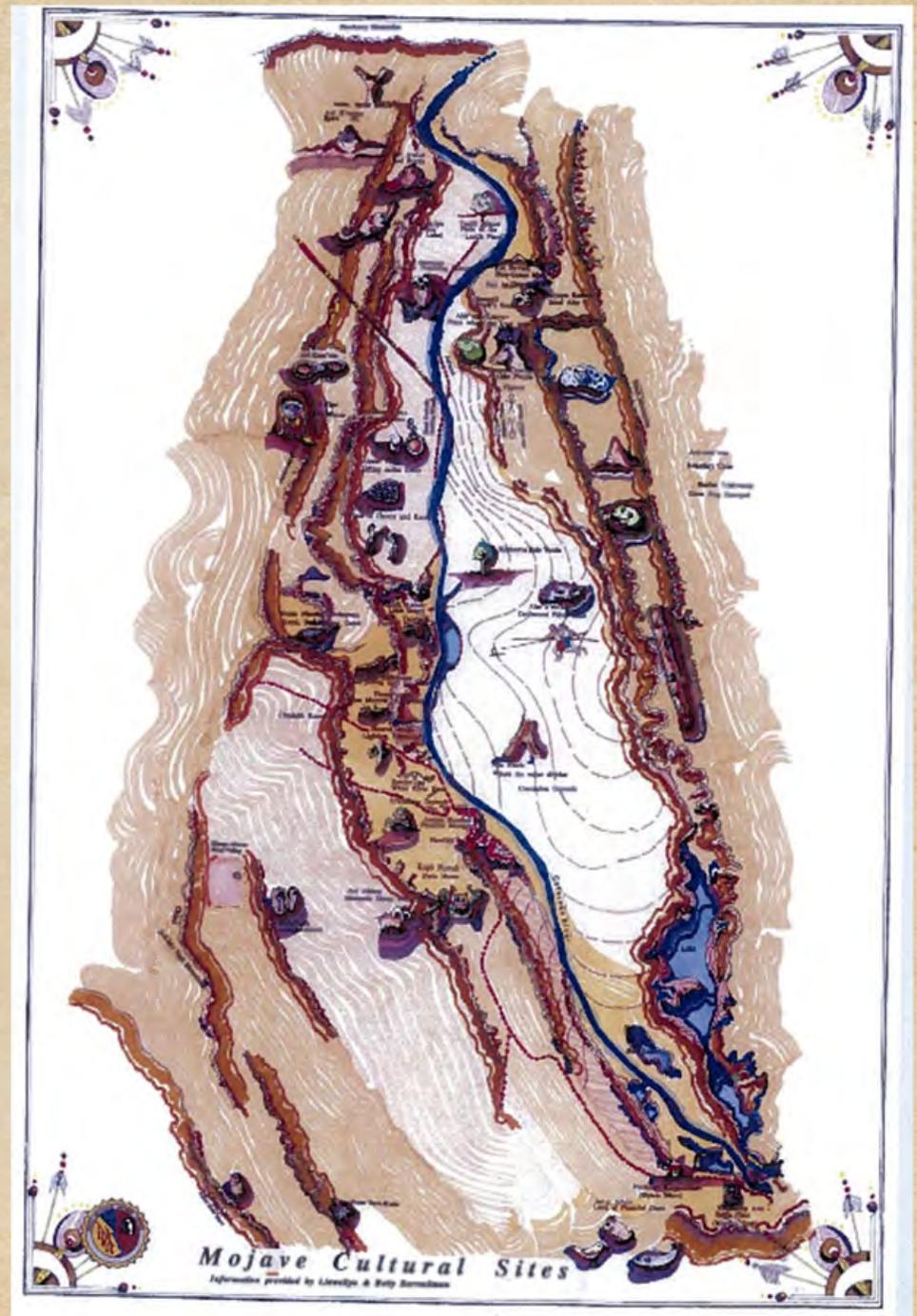
Communications..,



And Water.

But there is an older way
of viewing the area...

At one time, the
area was the
center of the
Universe.





Water, food and shelter



What was once old, is now new again



Over 2 Million people live in the area



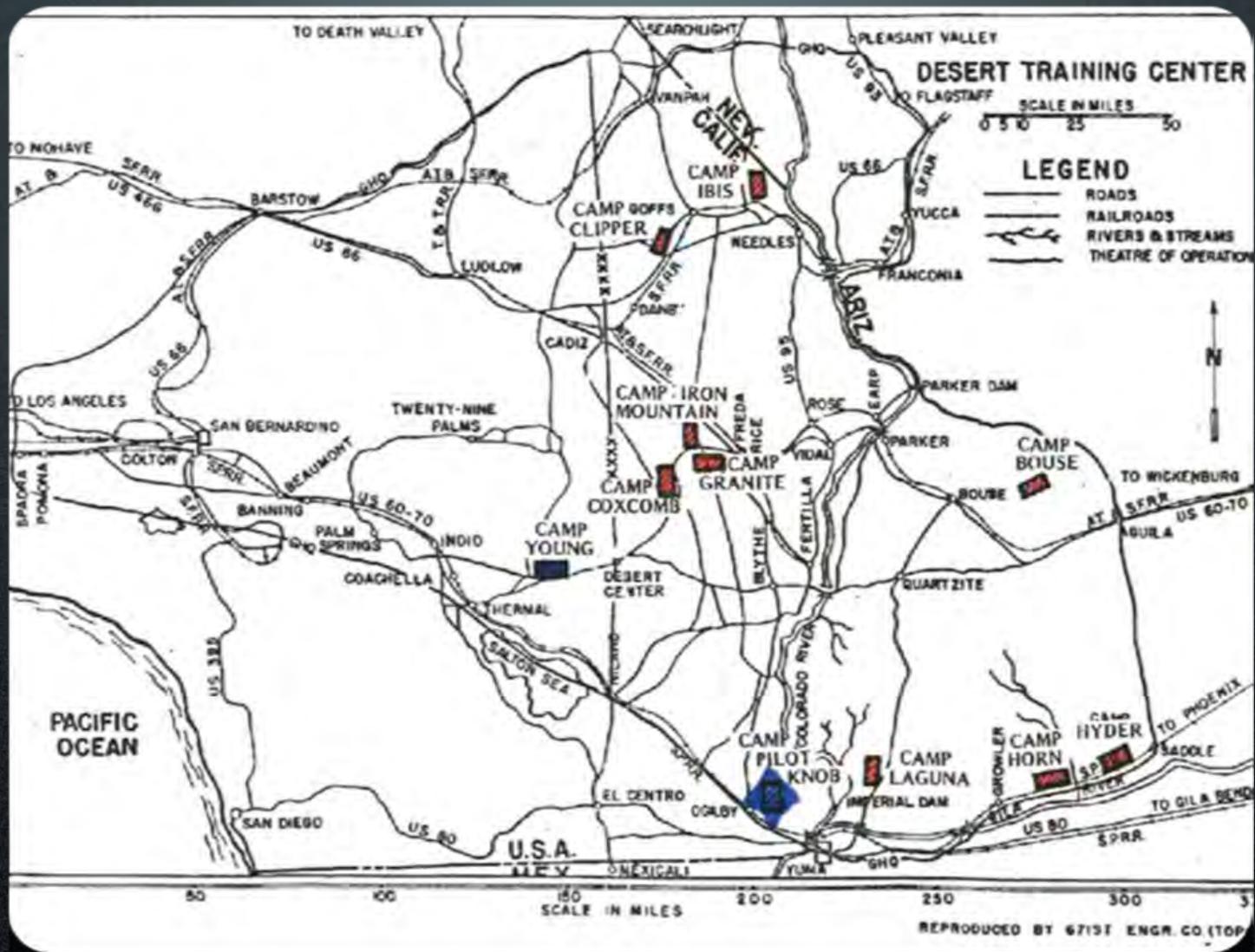
Nearly 100,000 in the Tri-State area



Nearly 100,000 in the Tri-State area



Recreation



Desert Training Center



Route 66 - The Mother Road

Wilderness

- ✓ 1.3 Million Acres
- ✓ Largest program in BLM
- ✓ Half hour access
- ✓ 18 areas
- ✓ 300' to 7,323'
- ✓ White fir to saguaro







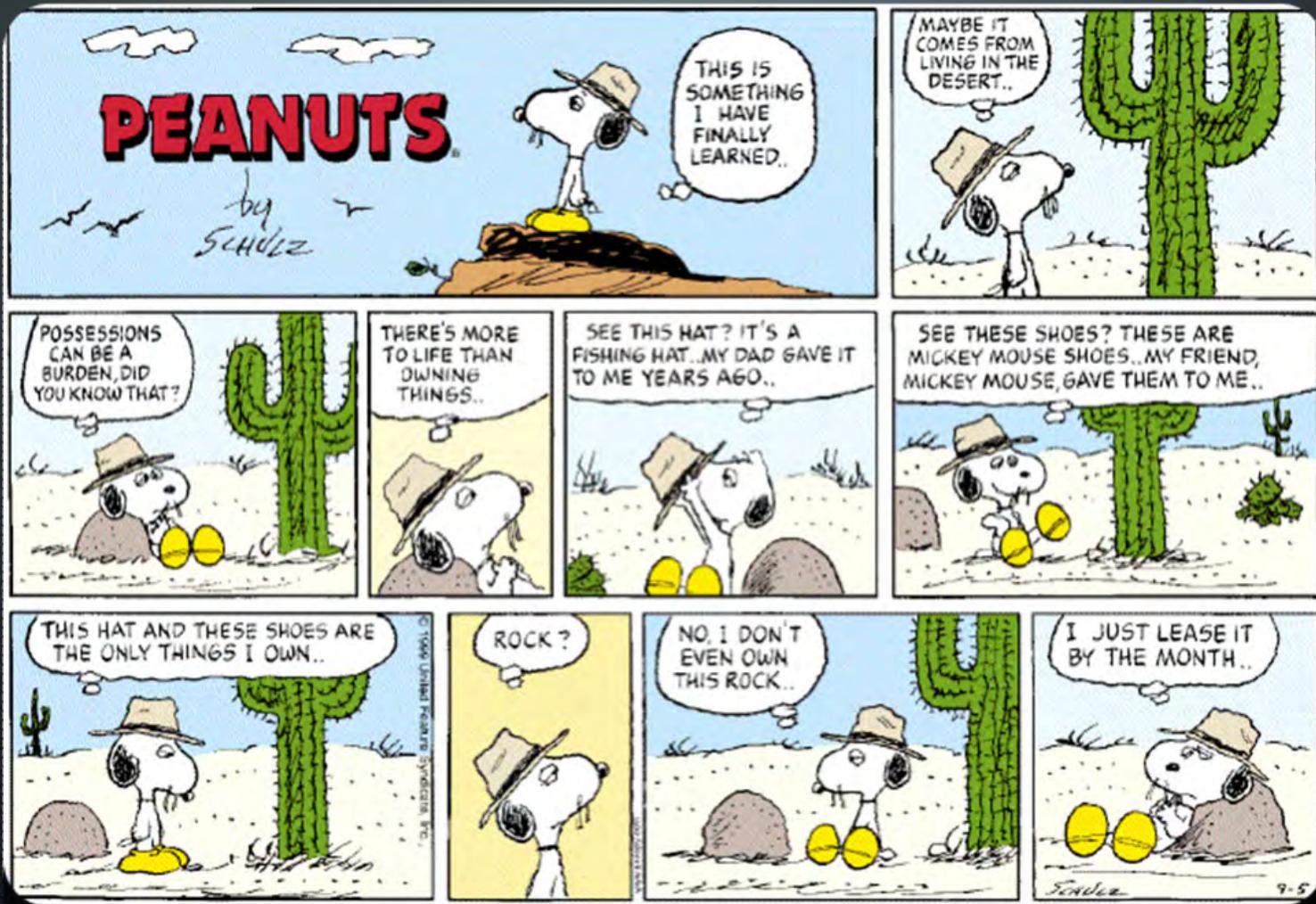
Ranger Program



Saguaros



Giant Nolinas



Minerals Program

Solar

Why do we need it?

What does it do?

- Peak load 3 x Base
- Peak pricing 3 3/4 x Base
- Use is solar driven
- Matches need with production

Single Family Service		You can find more energy rates here.
Option A		
Basic Service Charge (per meter)	\$ 9.10	
Time Period	Definition	Price per kWh
Summer Peak	Summer on-peak is June 1 – September 30, from 1 to 7 p.m. daily.	\$ 0.30136 kWh
Summer Off-Peak	Summer off-peak is June 1 – September 30, from 7 p.m. to 1 p.m. daily.	\$ 0.08081 kWh
All other times	All hours, from October through May.	\$ 0.06889 kWh

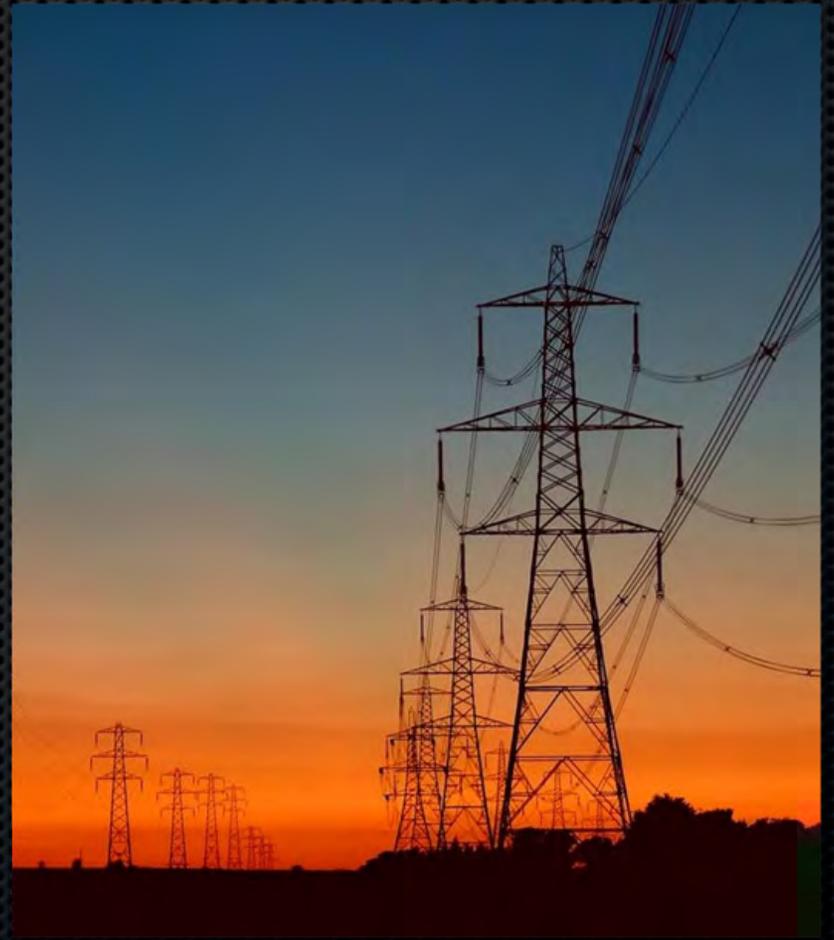
So, what do you need to make solar power?

- Sun!



So, what do you need to make solar power?

- Sun!
- Transmission lines



So, what do you need to make solar power?

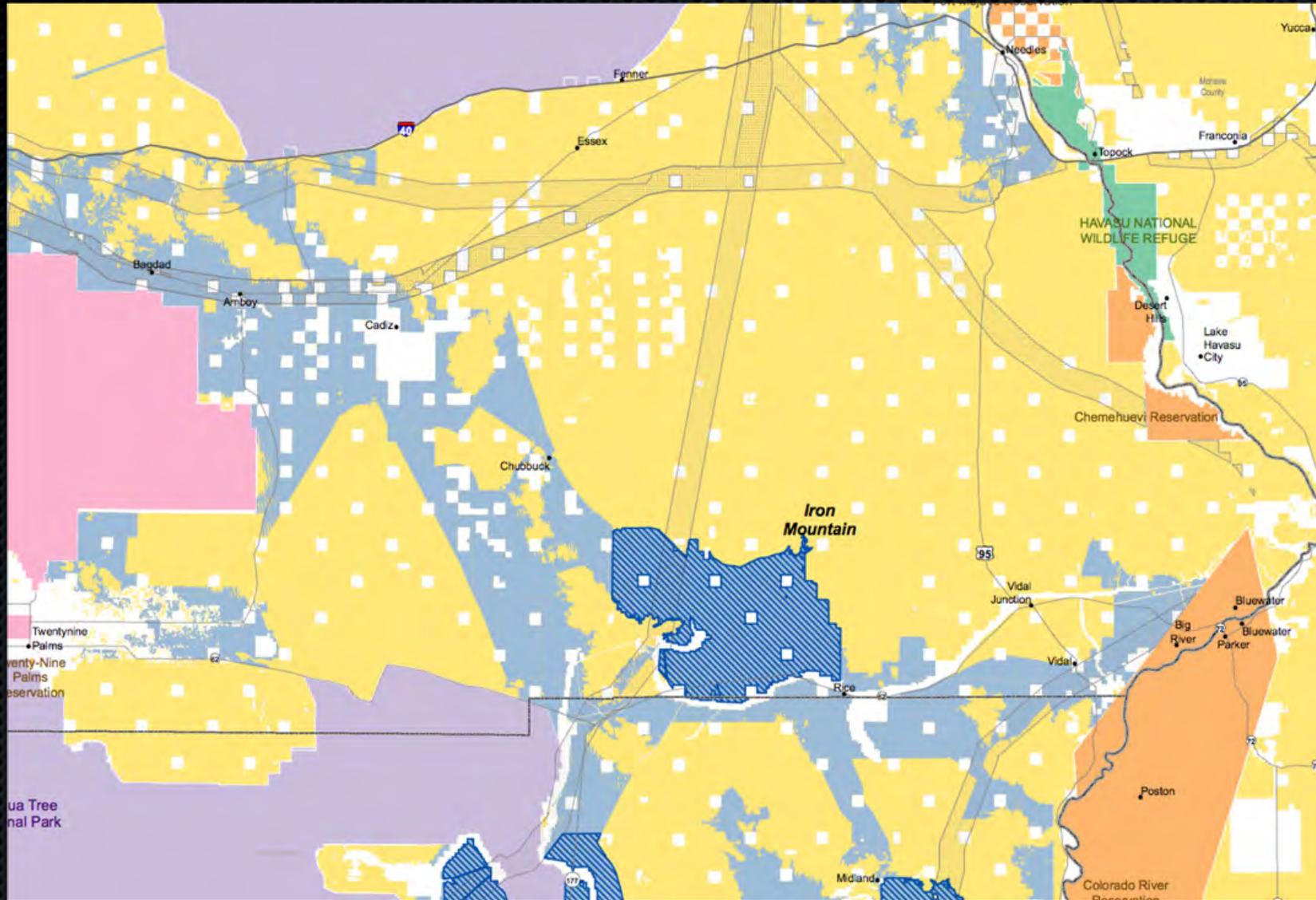
- Sun!
- Transmission lines
- Water



So, what do you need to make solar power?

- Sun!
- Transmission lines
- Water
- Gas





Iron Mountain

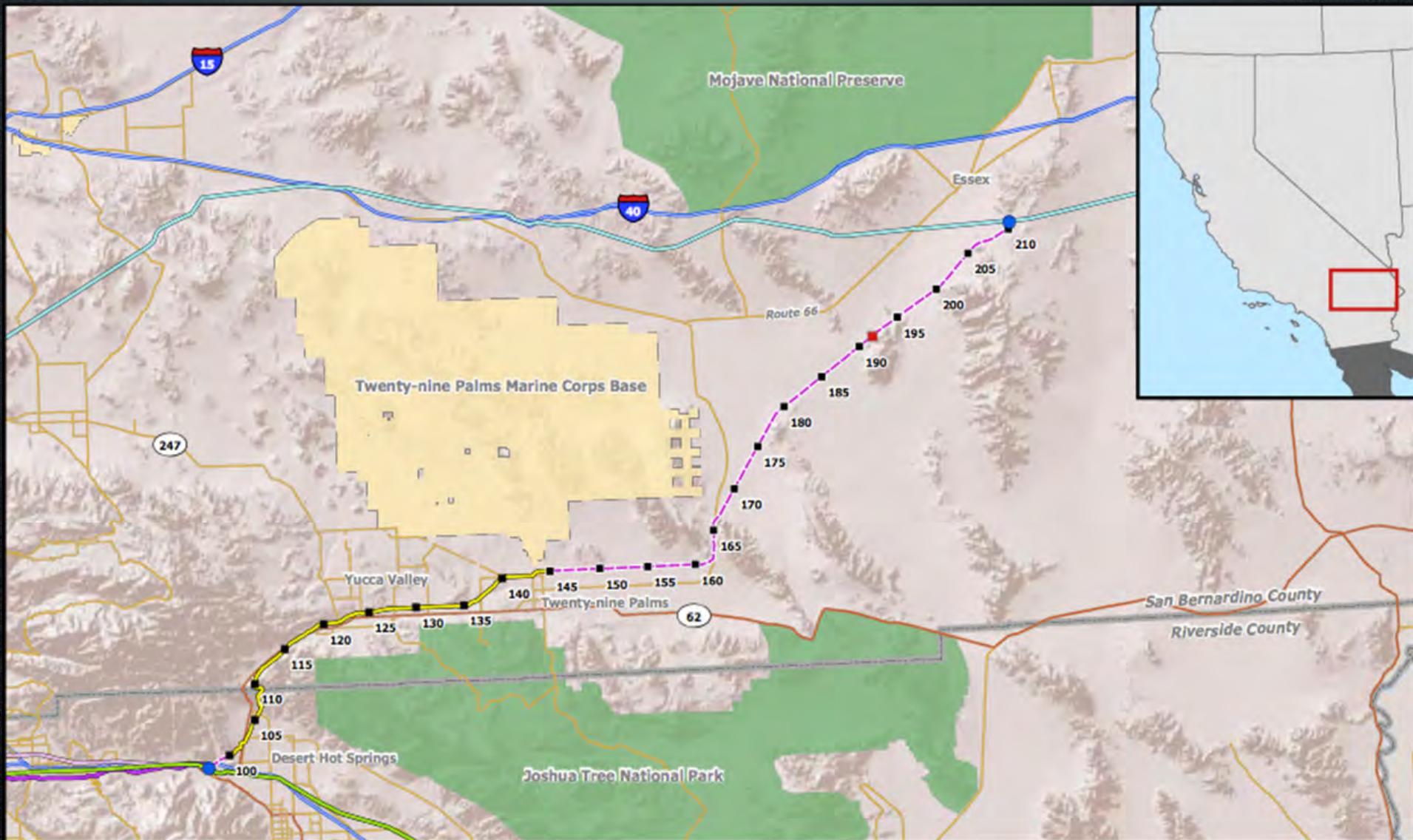
Ivanpah Solar -

Twentynine Palms

USMC Expansion

Southern California Gas

Interconnect Project

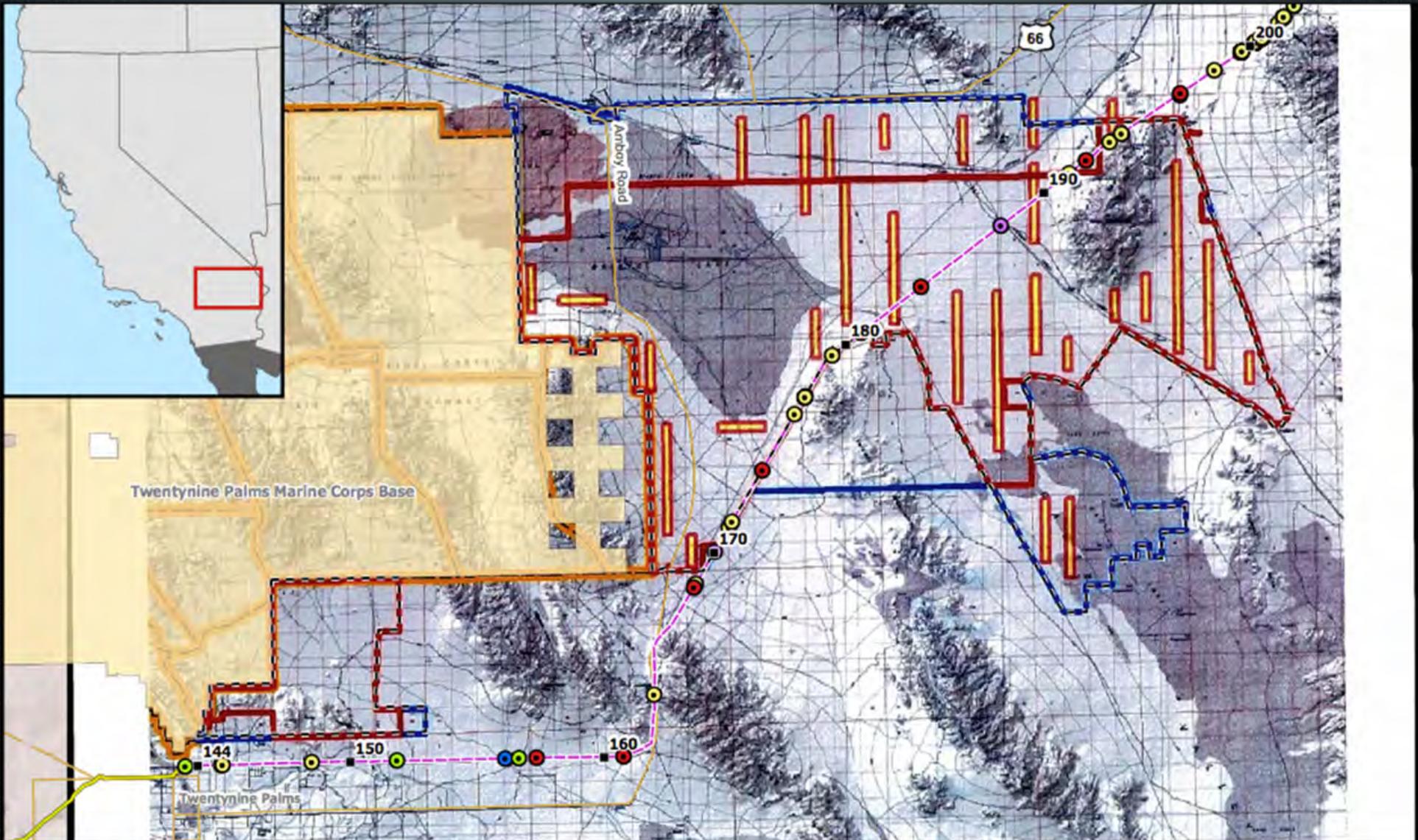


Project Overview Map

- Existing Questar Southern Trails Pipeline/Proposed North-South Interconnect Project
- SCG Line 3000
- SCG Line 2001
- SCG Line 5000
- SCG Line 2000
- SCG Line 6916
- Milepost
- Proposed North-South Interconnect
- California State Lands Commission
- Military Land
- National Park
- Interstate
- Highway
- Major Road

North-South Interconnect Project

1:900,000



Twentynine Palms Marine Corps Base Study Area Map

North-South Interconnect Project

- | | | |
|---|---|--|
| <ul style="list-style-type: none"> --- Proposed North-South Interconnect Project ■ Milepost | <ul style="list-style-type: none"> Twentynine Palms Study Area Military Land Excavation Site (approximate location) | <ul style="list-style-type: none"> ● Aboveground Facility (approximate location) ● Cathodic Protection Replacement ● Pressure-Limiting Station Installation ● Valve Installation ● Valve Replacement |
|---|---|--|



A Socal Energy Company





1:340,000



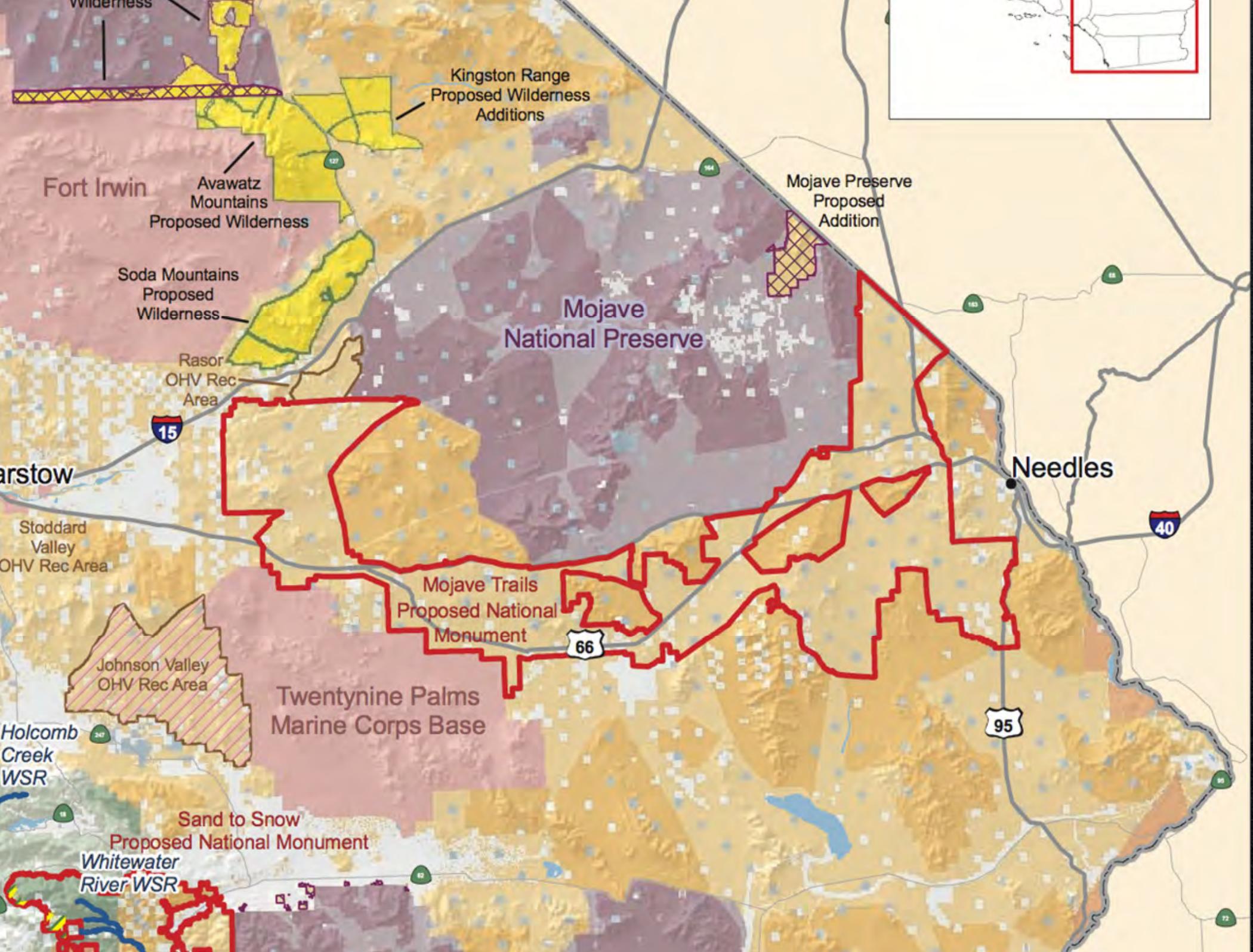
0 3 6 12 18 Miles

Mojave Trails

National Monument



Anyone for a game of land Chess?



Fort Irwin

Kingston Range
Proposed Wilderness
Additions

Avawatz
Mountains
Proposed Wilderness

Mojave Preserve
Proposed
Addition

Soda Mountains
Proposed
Wilderness

Mojave
National Preserve

Razor
OHV Rec
Area

15

Arstow

Needles

40

Stoddard
Valley
OHV Rec Area

Mojave Trails
Proposed National
Monument

66

95

Johnson Valley
OHV Rec Area

Twentynine Palms
Marine Corps Base

Holcomb
Creek
WSR

Sand to Snow
Proposed National Monument

Whitewater
River WSR

- Joint Port of Entry
- ARRA Projects
- Molycorp Pipeline Remediation
- Ivanpah Playa
- Abandoned Mine Lands
- Burros

Still the Heart of the
Mojave