

7/24/79

NMEI
KEN Nowotny
Roy

"Burt Bauman" Meeting
DOE / ID

I. Lowiffeth - STATE Coupled Program Contract STATUS:

- KN, TX, NB

SNW
VITO MAGLIANI

Contracts pending

PONS - 13 contracts in 7 states

- ND, S.D + others

LARRY ^{FALICK} ~~FALICK~~

Under contract

Program funding '79 ~ \$6.9M

PONS:

- SD School Mines
- HATKON, S.D.
- One IDA, Oregon
- Douglas SD
- Monroe, UT.
- St Mary SD
- U. REBS
- ^{UPAN} Energy Office
- MERDI, MT
- Madison Co ID
- Pagosa Springs.
- EIKO, N
- Boise,

Commercialization Budget \$1.870 K FY 79

User Abst. 60K

State Commercialization (24 MTN STATES) = 4/60K (NMEI & C&G)
10 S. PARKIN ADDED / WA, OR, CA. NOT INCLUDED

(Dick Meyer)

Duc Meyer

Commercialization TASKS

J. W. MORFITT
Scientific Business

- 1) Energy + Econ. Analyses - ^{10-20%} determine energy consumption - data gathering (COUNTY level) → TO NMEI
(35-45%) (commercialization flow chart)
- 2) Devel. Plans - AREA, Site-specific, Time Phased Project Plans
McCLAIN HANDBOOK (10%)
- 3) Institutional Analyses - Federal, STATE, Local LAWS + Regulations that influence development
- 4) STATE Outreach - state, local agencies ^{25%}
- 5) Reporting - weekly hot lines (Mc Issue gets!) ^{10%}

Development Plans (Objectives)

- 1) Area
provide data to states, DOE, NMEI } all resources } on county level
regional commercialization planning } all energy uses }
- 2) Site Specific - single site identified w/ specific users
- match geothermal energy w/ other energy forms
- promote new users - introduce geothermal i.e. OUTREACH
- identifies energy needs of business, energy etc.
- 3) Time Phased Project Plan - for projects in commercialization STAGE
- reveal actions needed (i.e. time table) to allow commercialization
Roosevelt H.S. (WAGSTAFF)
Boise CAPITOL MALL (McCLAIN)
PABOSA SPRING District heating (Coe)

DAVE McLean

Energy Analysis

Imports 84% of its Energy

Target Geothermal Uses

Food + Kindred Products ± Phosphate (if can identify high grade resource)

Space Heating - 29 communities in ID in geothermal communities

Water Heating

Weiser - one of best sites for industrial uses

Identification of Industrial Energy Consumption

2000 Food processing plants all along SRP (improved or potential resource)

One - in SE ID.

Lumber - in panhandle

Weiser H.S.

Site Specific Development Plan

consider building industrial park → cascading use

Phosphate Producers

Electrical Needs may be in jeopardy

could use geothermal

Outreach

Passive

is

Active

Introduced legislation amending revenue bonding for

H₂O systems for heating/cooling uses

passed by educating legislature

Outreach Packet

legal overview of geothermal in ID.

Regs for drilling IDWR

Coe

Omnibus Bill
being put into
Jackson super-fund
bill

Canon City Interest

Prison

Support industries

dairy, laundry et.

Wenwood Springs Interest

Condos, office bldg.

Received PRDA - for feasibility study of heating
municipal bldgs?

mt. Emmons / Crested Butte

Want new pop. influx to be elsewhere i.e. new town
nearby Wacemta H.S.

Amay has expressed some interest

Ouray

Distinct heating interest

Some use presently being made

7 NMEI / Cuniff / Nowday

Identify those sites/user pairs which are most economic
i.e. those presently & or in future

Make the following Assumptions:

Resource parameters

Future cost of other energies
compared w/ geothermal

Geutsch

INSTITUTIONAL ANALYSIS

- 1) Small Business Survey of Omnibus bill → TOR STEVENS
- 2) NCSL

Jackson Lake 9/10^{week} of '06

Hanay

PLANNING + ANALYSIS

- 1) COMMERCIALIZATION PLANNING
- 2) MARKET LIASON

Baseline Documents

Unclear if should do Or, Wa, Ak (i.e. unclear sphere of responsibility)
Perhaps should be published in a more readily available fashion??

Will need

Tx, La., Ks, Nb., Ak

Market Penetration

Continuing Or, Wa, AL, Tx, LA, Ks

Energy Technology Requirements for accelerated commercialization

Identify technical barriers

Identification of specifically who will benefit from removal of a given barrier
Industry will prioritize

~~HILKER~~

WRIGHT



Scientific Map
Lineaments
Σ

O. H.

↑ spelled wrong

→ a. provide drilling target worksheet data
to Hanny by county

BLM

→ Set up industry workshop showing the sensitive areas
↓ what we've done / make them aware

DAK RIDGE NATL LAB = BLM Coordinator

Input to BLM

will be position authorized by DOE

Nichols

Key Conclusion

Field Office relationships + communication
Must be improved (ED vs HQ) etc.

+ ET + RA communications

(Transfer AZ + NV to JMW Office for OR contract)

Couple State Coupled + RA Programs

Since STATE Coupled is square 1 for RA

URI - must guide state assessment teams to
user oriented sites !! vs. academic interests

Roy Mark + Maggie will help here

This is stipulated in Phase II of program
Called for \$ Reservoir confirmation

A.I
Management Dec.

Commercialization

Focus should be STATE Agencies

Content of OR work in the states

Water Marketing data must be tied in
need to establish these data bases

let Elsb to do all states?

or standardized formats

GLBP

More aggressive selling of this program

Elsb will write brochures

+ change GLBP guidelines

More detailed guidance from HQ needed

UURI Reservoir Confirmation Program

Must be emphasized

1) reservoir confirmation

2) develop infrastructure (consultants)

Current consultant talents limited

MUST HAVE
MANAGEMENT
ASST.

(EGG & UURI)

Need for long-term outlook

Roles & Budgets

for EGG / UURI / ID

+ other roles APL, Mike et.

EGG / UURI Work

Small dollar unit for DOE / ID

but among the most outstanding

day feels need more communication between

ID w/ RA (presently mostly communicate w/
ET)

(from RA to ET)

ET Requirements Document.

Many needs strong coordination

need more RA help (at HQ)

* must coordinate w/ ET too

need to go to industry for privatization

need ET + RA blessing

BURT BARNES

DOE BUDGET (RA)

Development Projects

package - user committed (direct heat)
COST SHARE

bring together STATE Coupled + OR info

Level funded FY 79 80 81

9-10 M (conservative)
for RA

FY 81 Et Budget = 37 M hydrothermal

+ 10 M (enhanced budget) - reservoir def.

RA must get its own budget

used to be attached to RA

Preliminary 80 budgets due 8/1/79

PONS will probably be transferred

≈ 10 M

Regional Office

Mandated by FEA

Commercialization just getting up in regional reps

Region X - has procurement office.

have picked up on geothermal (+ hydrothermal)

Regions 6 + 8

Don't have energy technology approach

probably can't/won't handle geothermal

∴ let JOD office be the leader

Status of NE, AZ, ID must be determined

will go to SW Office

STATE Comptrol Program - EASTERN EQUIV.

Having probs tactfully identifying the appropriate resource assessment team

who to give contract to

which state agency - w/out offending others

Perceives need for market penetration data -
NMEI-type

UURI:

Coordination of resource data

- Clay → input to 790

feels will expand our data base nationwide

a.1. OIT's
role in
User Asst.?

Technical Assistance Centers

1) need broader geographic distribution

2) - or develop infrastructure.

consultants + universities as sub-contractors

Environmental Baseline for PONS

need to program \$ for

RA will inherit environmental report duties for PONS

~~to~~ ^{state} about inventing PONS

will also have to do EAR for drilling
confirmation plans

Get GLEP into state outreach



Tracking Mechanism for Outreach

Identifies how well outreach mechanisms working
how many inquiries
type of inquiries
types of industries interested
et.

HQ

Needs market penetration

thats what DDE needs to sell the program

APL Format (for Baseline Documents?)

FACT book

APL done for 35 states east of Miss.

APL & summary format

want in a couple of months

Clay suggests APL publication / INFO FROM
this office

WASHINGTON P.R. Document

Winfred Yen

doing for Ca. + HW

Bruno,

Stressed need for more PR on geothermal

Progress Monitoring:

Proposal (I.B.S.)

PR (M.I.R.S.)