

HD
108.2
.I59
1977

XPC

IOWA ENERGY POLICY COUNCIL

COMMUNITY BETTERMENT

RECEIVED

GRANT PROGRAM

APR 22 1977

1977

IOWA
DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY MANAGEMENT

EPC-Iowa Community Betterment Grant Awards Proposals
(1977)

Budget

<u>#</u>	<u>Community</u>	<u>Population</u>	<u>Request</u>	<u>Total Cost</u>	<u>Description</u>
1	Pacific Junction	505	\$500	\$17,500	Weatherize one more low income, elderly home
2	Pacific Junction	505	250	?	Senior ladies make five hand-made quilts
3	Mid-Sioux, Inc. (five county area)	92,210	500	500	Weatherize seven low income, elderly homes
4	Mt. Pleasant	7,007	500	1,300	Infra-red photos, and public education
5	Goodell	218	500	?	Provide recreation to reduce travel (park or tennis court)
6	Webster City	8,448	500	?	Promote and develop bicycle lanes
7	Ankeny	13,212	500	5,500	Implement conservation and develop an emergency plan for the city
8	Audubon	2,907	500	?	Resource recovery (recover newspapers)
9	Upper Des Moines (eight county area)	117,890	500	727.50	Build three solar units and install in low income, elderly homes
10	Rodney ⁽¹⁾	66	500	1,100	Shelter house
11	Rodney ⁽²⁾	66	500	877.50	New sidewalks
12	Scarville	96	500	1,544.21	Weatherize fire station.
13	Belmond	2,421	500	785	Cutting and selling wood projects.

<u>#</u>	<u>Community</u>	<u>Population</u>	<u>Request</u>	<u>Total Cost</u>	<u>Description</u>
14	Belmond	2,421	\$500	?	Energy self-sufficient home.
15	Letts	424	500	?	Insulation survey, weatherization and carpool programs.
16	Rowan	231	500	?	Weatherize dining and kitchen of community center.
17	Ridgeway	218	500	?	Retrofit heating system at city hall.
18	Coralville	6,605	500	\$ 700	Conservation section in library.
19	Dubuque	62,309	500	?	Expand Deere's commutor bus program to 145 plants
20	Dubuque	62,309	500	?	Expand newspaper collection to start up an insulatio factory.
21	Bagley	365	200	365	Insulate roofs of city hall and library.
22	Paullina	1,257	500	?	Conservation program for city government and the community.
23	Paullina	1,257	500	?	Paper drive.
24	Albia/Monroe Co.	9,357		?	Construct a super-efficient house.
25	Albia/Monroe Co.	9,357		?	Tree planting program.
26	Hampton	4,450	500	?	Promote weatherization program for low-income elderly
27	Hampton	4,450	500	?	City government/high school program
28	Fairfield	8,715	500	?	Design and construct solar hot water heater.

<u>#</u>	<u>Community</u>	<u>Population</u>	<u>Request</u>	<u>Total Cost</u>	<u>Description</u>
29	Little Sioux	239	\$500	?	Purchase materials to build and install ten solar heating units
30	Little Sioux	239	500	\$ 5,000	Solar heated green house.
31	Atkins	581	500	?	Conservation program for Benton Community School system
32	Van Horne	613	250	500	Plant 20 hard wood shade trees
33	Van Horne	613	240	240	Energy audit of Van Horne
34	Hospers	646	500	1,000	Weatherize ten low income houses (and/or plant some trees)
35	Davenport	99,836	500	14,500+	Conservation in restoring the LeClaire Historical Landmark home
36	Titonka	599	500	?	Development of recreation area
37	Woodbury Action Agency (Sioux City)	85,925	500	?	Build, install and promote solar units in two public buildings
38	Cedar Rapids	108,987	500	?	Develop a pilot conservation awareness and action program reaching 40,000 children
39	IT Dodge	31,263	500	620 ⁵⁰	Energy Seminar ✓
40	Roland	803	500	?	Weatherization Survey & Tree Planting



March 8, 1977

MAR 9 1977

Iowa Development Commission
Community Betterment
250 Jewett Building
Des Moines, Iowa 50309

Subject: Energy Conservation Grants (2)

Gentlemen:

The City of Pacific Junction is participating in the 1977 Community Betterment Program. We feel two of the programs in which we are involved relate directly to energy conservation, and to enable us to extend these programs, we respectfully request funds in the total amount of \$750.00. The funds will be apportioned as follows:
Project #1--\$500.00; Project #2--\$250.00.

Project #1.

Grant Amount Requested: \$500.00

Date Commencing: May, 1977

Project: Housing Assistance Plan, City of Pacific Junction, Iowa

DESCRIPTION: The City of Pacific Junction was the recipient of a Department of Housing and Urban Development Community Development Block Grant in August, 1976: \$17,000.00 of which is earmarked for housing rehabilitation in the community. A portion of this funding will be devoted to insulating homes for those satisfying the criteria for assistance, specifically the low-income and elderly. This will be a direct grant as opposed to a loan. The cost of insulating the average home (factor R19) ranges between four and five hundred dollars.

The Community Improvement League has been asked by the Mayor of Pacific Junction to assist with the Housing Assistance Plan by aiding in identifying residents who satisfy the criteria for assistance, and in helping to determine houses suitable for rehabilitation, thereby conserving energy and preventing the further spread of blight.

GRANT NEED: The \$500.00 requested would represent our ability to insulate one more dwelling in the community, thereby lessening fuel consumption while freeing dollars for the purchase of other needs.

IMPACT: Persons living in approximately 33 of the sub-standard houses in the city lack the financial resources to improve these dwellings. The present housing assistance plan will aid about 6 of these homes. The energy conservation grant would assist with one more unit. The local impact is best described as restoring belief in the mind of one more economically deprived family that concern is felt over their situation, that steps are being taken to make them feel a part of the community, and to create in them the desire to assist with other overall community betterment projects by making them feel their community deserves help.

Insulation will save from 25%-40% on fuel consumption. This is estimated to be \$20.00 monthly per dwelling on an average.

The statewide impact can only be stated as freeing the fuel saved in one home for use in some other critical fuel area.

Project #2.

Grant Amount Requested: \$250.00

Date Commencing: January, 1977

Project: "Cover Up and Save Energy"

DESCRIPTION: The Pacific Junction Community Improvement League sponsored a senior citizen group interested in making hand made quilts and lap robes. The purpose of the group is two-fold; it draws a segment of our older community into a weekly social environment, and the products they make are intended for sale with the income diverted into community betterment projects. The group adopted as their sales promotional theme, "Cover Up and Save Energy".

GRANT NEED: The \$250.00 requested will be utilized for the purchase of fabric, thread, and other components used in the hand-made products. The group is presently utilizing donated fabric remnants, backing, thread, and other components, but their weekly meetings will soon exhaust their inventory. The \$250.00 requested will purchase material for approximately 5 hand-made quilts.

IMPACT: The social benefit of these senior ladies meeting together to accomplish a worth while purpose is self-evident. We too often structure our goals around projects requiring the strengths and skills of the younger generations, and we tend to forget our aged wish to feel a part of the events occurring around them. This program provides activities for the elderly, and comfort for all ages.

The object in creating these fine, hand-made products, relates naturally to reducing house-hold temperatures and thus saving energy.

The \$250.00 requested represents a financial return to the Community Improvement League of about \$500.00 from product sales. The income will then be divided between other community betterment projects, and buying materials to assure a continuation of the "Cover Up and Save Energy" program.

The statewide impact would be the energy savings achieved locally, allowing the fuel saved to be utilized in more critical areas. A more notable statewide impact might be bringing such a program to the attention of other cities, and stimulating interest in a greater utilization of our elderly in community betterment programs.

Respectfully submitted,

Gladys E. Pomeroy
Gladys E. Pomeroy, Chairman
Community Improvement League
P. O. Box 363
Pacific Junction, Iowa 51561
Area 712 622-4811

GEP:vf

3

APPLICATION FOR A WEATHERIZATION GRANT

IOWA DEVELOPMENT COMMISSION

March 22, 1977

SUBMITTED BY:

MID-SIOUX OPPORTUNITY, INC.
418 Marion Street
Remsen, Iowa 51050

MAR 25 1977

- A. Mid-Sioux Opportunity, Inc. is a non-profit corporation operating in the five counties of Northwest Iowa. These counties are: Lyon, Sioux, Plymouth, Cherokee, and Ida. Mid-Sioux is a Community Service Agency designed to assist the elderly, handicapped, and low-income people in the area.
- B. The Weatherization Program of Mid-Sioux can assist the elderly, handicapped, and low-income families in one or more of the following ways: insulate the attic and/or sidewalls, put in luovers or roof vents, window repair, storm windows and doors, infiltration proofing materials such as chaulk, plastic, weatherstripping etc. By weatherizing their homes, the fuel bills are lower and energy is saved.
- C. There is a definite need in the five county area of northwest Iowa for Weatherization. Mid-Sioux has a list of 1250 homes that meet CSA guidelines waiting for insulation, window repair, storm windows or doors, infiltration proofing materials to conserve energy.
- D. The \$500 from the Iowa Development Commission would enable Mid-Sioux to do seven homes in their area at a cost of \$71.43. Every home we get weatherized conserves some very needed energy. It helps the elderly, handicapped, and low-income families to be more comfortable in Iowa's hot summers and very cold winters. Weatherization of these homes helps the people who are unable to do this work themselves. All homes done with this \$500 will be for the elderly.
- E. Budget for the \$500 is as follows:
1. \$400 for insulation
 2. \$ 15 for installation of luovers or vents
 3. \$ 45 for storm windows
 4. \$ 20 for infiltration proofing materials
 5. \$ 20 for window and/or door repair
- F. With the fuel shortage as critical as it is we feel that it is essential we do everything possible to save energy. That is why the Weatherization of these homes is so important.

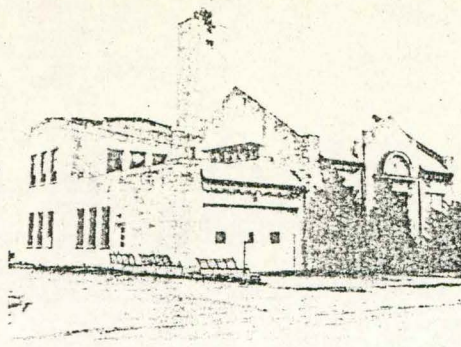
Kathy Hoffman

Kathy Hoffman
Assistant Weatherization Director

MAR 25 1977

OFFICERS

EDWARD M. KING, MAYOR
STANLEY E. HILL, DIR., PUBLIC WORKS
R. C. CHALLEN, CITY CLERK
J. BONTRAGER, TREASURER
RANDE A. McALLISTER, CITY SOLICITOR
GARY L. BROBSTON, CHIEF OF POLICE
WILLIAM O. SATER, CHIEF OF FIRE DEPT.



COUNCILMEN

4

MARION WINN } AT LARGE
JOHN BECKER }
ELMER KEUHNLE WARD ONE
MICHEAL W. MILLER WARD TWO
VIRGINIA SHEETS WARD THREE
RICHARD ELEFSON WARD FOUR

CITY OF MOUNT PLEASANT

THE IRIS CITY OF IOWA
MOUNT PLEASANT, IOWA 52641

March 23, 1977

Mr. Paul Commer, Director
Iowa Community Betterment Council
Iowa Development Commission
250 Jewett Building
Des Moines, Iowa 50309

Dear Paul;

I am writing to you relative to the grant monies available to Betterment Council groups of the Iowa Energy Policy Council.

Recently our Community Betterment Council met to discuss energy conservation and a program they would like to implement within our City. At the present time I have a list of eight local citizens who I plan to ask to serve as an energy advisor council to carry out the program.

With the energy crisis upon us I feel one of the primary duties of the community leaders serving on the Energy Council is to educate the general public about the problems that we are facing. With this idea in mind the Mt. Pleasant Area Betterment Council proposes an energy conservation and replacement education project. A cross-section of community leaders will be spear-heading this program. They will have the backing and full cooperation of the City Council and the Chamber of Commerce.

Projects.

1. Infra-red pictures will be taken of several homes in this city to show our residents what is actually happening to energy conservation. These will be used in programs, seminars and school classes and etc.

2. Education Programs.

Programs on radio stations KILJ and KKSI. Programs on Channel 5 local television. We would establish a speakers' bureau for the Advisory Council members to speak to clubs and organizations in Mt. Pleasant.

We are proposing a weekly column in the Mt. Pleasant News. In our school system we are proposing adult education programs regarding the conservation and replacement of energy and we would also try to develop courses in elementary and junior high schools in energy conservation.

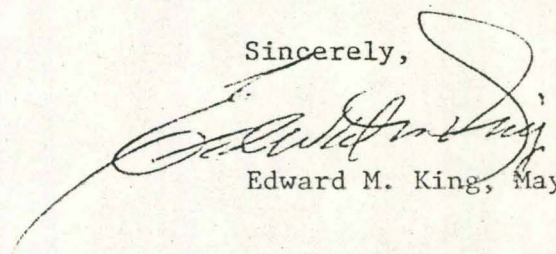
3. Energy Expo '77

Under this program we would plan to invite all energy related businesses to participate in education seminars and shows to illustrate what products are available for energy conservation.

It is our feeling that with an all out campaign such as the one we described here we can help the people of this community in our energy crisis and help avoid excessive heating and cooling bills and usage. With the school education program we would hope to raise a generation who is better informed of the problems and more able to live with these in changing times.

Based upon what we have proposed I am estimating that our costs will be approximately \$1,300 and it is my understanding that the maximum grant available to any city community betterment council is \$500. I would appreciate your serious consideration of our application for \$500.

Sincerely,



Edward M. King, Mayor

cc Mrs. J. M. Harper

EMK/flo

March 28, 1977
⑤

Dear Sir

We in this small town of

Boardwell don't have much in a way

to keep our young folks here.

Most of them with our will leave

for other towns where there is

more recreation, of this community

had some thing like a tennis

court or a place for children could

enjoy them selves, they would

be more apt to stay here and enjoy

them selves instead of out in the

high way burning up gas & time

to get home & sit in a room to get

about in that they want for their children

but there are some towns out left out

Boardwell have a population of about

200 people. We are a poor community

We have a good fire department

7 fourteen volunteer fire men.

We have one of the best Legion posts
in this area for a small town we
have 53 members.

Being Captain in the Fire Department
Commander of the Am. Legion & also a
money man committee & reading
what could be done for the Legion more
for our children.

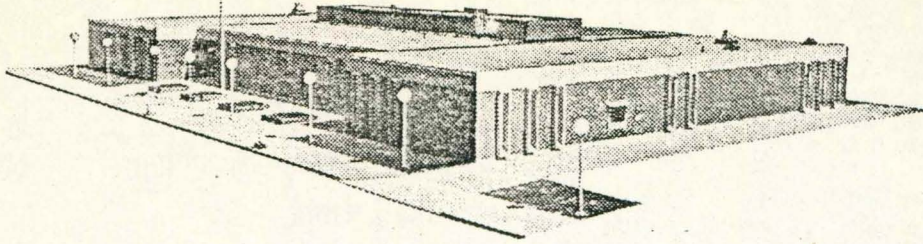
The Fire Department & Am Legion work
to provide aid & services for the community
but feel it comes out side help
comes it may get things going.
I have helped to the mayor.

Council & Treasurer about getting
some thing like a Home Center
play ground equipment. They are in
full agreement that we need something
but have no funds available.
So to conserve energy by pooling the
children of the high school & the by the
and put out some more money.

Mark Spanson
Haskell Area 50439

OFFICES OF THE CITY

(6)



From The Office Of:

WEBSTER CITY, IOWA 50595

Director of Public Works

COUNCIL MEETINGS:
First and Third Mondays

March 30, 1977

Iowa Development Commission
Iowa Community Betterment
250 Jewett Building
Des Moines, Iowa 50309

Gentlemen:

Enclosed find a proposal from the Webster City Community Betterment Council for consideration in Iowa Energy Policy Council grant program.

We believe this is an appropriate request as it will encourage our citizens to use alternate means of transportation - bicycles - and therefore will conserve energy.

Thank you for your consideration of this proposal.

Yours truly,

Greg Malmstrom
Director of Public Works

GM:as

WEBSTER CITY COMMUNITY BETTERMENT COUNCIL
Webster City, Iowa

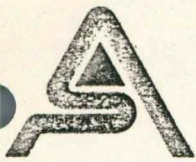
The Webster City Community Betterment Council is concerned in developing projects that would encourage energy conservation, physical fitness and outdoor activities.

It is thought that development of bicycle activities is one proposal that could meet all of these objectives. Increased use of bicycles will develop if there is a safe and convenient area for bicycles to travel.

Bicycles are currently being used for trips to work, school, shopping and "just for fun", however the bicycle - automobile conflicts are discouraging to the bicyclist as he is exposed to dangerous accidents.

It is the plan of the Betterment Council to develop bike lanes through the painting of striping and proper signing. This, in conjunction with proper education and necessary enforcement would be top priority as it is the highest accident potential, is the least expensive to develop and would immediately serve a large population.

A grant would be used in conjunction with any local funds obtained to develop a portion of the bike lanes as a demonstration project for community reaction and project feasibility. This would include route selection, lane delineation and signing.



City of Ankeny

211 S.W. WALNUT
ANKENY IOWA 50021

PHONE: 964-5500

March 30, 1977

Iowa Development Commission
Community Betterment Program
250 Jewett Building
Des Moines, Iowa 50309

Attention: Mr. Paul Comer, Director ICB

RE: ICB Energy Projects Grant Application

Dear Mr. Comer:

For the past several months the City of Ankeny, Iowa has initiated and pursued an energy conservation policy and program directed by the City Manager. The energy conservation program was put into motion in early November 1976 and a policy approved on February 7, 1977 by the Mayor and City Council.

An energy conservation committee was formed to evaluate the city's energy consumption and to determine where cut-backs were necessary to eliminate energy waste. The program was set-up in three (3) phases. Phase I: Involved drawing up a practical and workable energy policy that would clearly outline areas where changes could be made and standards set for thermostat settings, lighting procedures, vehicle operating policies, and areas where timers could be utilized to control energy consuming devices during non-working hours, weekends, and holidays. Phase II: Involved a physical, on site inspection of all city spaces to determine problem areas where "corrective action" in the way of repairs, adjustments, additions, or deletions were necessary to bring these spaces up to a minimum standard to conserve energy. A list and cost estimate of materials and professional fees were established to make comparisons with projected energy cost savings on a per year basis. Phase III: Involves drawing up an emergency energy usage plan to be implemented in the event the city is confronted with a drastic energy shortage. This plan will indicate priority areas where energy usage is a must, and show those areas where energy usage could be drastically cut or eliminated during such a shortage.

The City of Ankeny, a participant in the Iowa Community Betterment Program, feels an Energy Conservation Program is in the best interest of the community. The city further, is seeking a grant of \$500.00 or more to facilitate implementation of the corrective actions identified in Phase II, and further to produce a viable product in Phase III, an emergency energy usage plan, which would be transferable for usage in other jurisdictions and thus aid all municipalities in the formulation of such a policy.

We have estimated a cost of \$5,500.00 to reach our minimum goals as outlined under the "corrective action" phase of this program. We are estimating a yearly savings of approximately \$8,000.00 by initiating our energy policy and by eliminating our deficiencies.

If you have any questions, require further information, or would like a copy of our energy policy, please notify me. My business phone number is 964-5500 Ext. 15 or write to: City of Ankeny
211 S.W. Walnut Street
Ankeny, Iowa 50021

Attn: Jim McKenna

Thank you in advance for your time and considerations and the opportunity to apply for this grant program.

Respectfully yours,



Jim McKenna, Energy Committee Chairman

CITY OF AUDUBON

AUDUBON, IOWA 50025

8

JAY DEE MENDENHALL

Mayor

RICHARD LEBECK

City Clerk

March 31, 1977

Iowa Development Commission
Community Development
250 Jewett Building
Des Moines, Iowa 50309

The City of Audubon, Iowa is in the planning stages of implementing a two-phase Resource Recovery Program. While explicit details have not been finalized to date, the present scope of the first phase of the plan would lie in the recovery of newspaper products through the voluntary participation of local residents and businesses.

Manpower services are scheduled to be provided by local Boy Scouts while the City of Audubon will provide storage facilities, vehicles and miscellaneous equipment through the course of the program.

Funds are currently being solicited through private and public sources to offset initial project expenditures. The primary expense for the first phase of the recovery endeavor would be to circumvent the cost of acquiring plastic recovery receptacles. It is our feelings that such a procedure might provide an impetus to stimulate recovery interest among townspeople and to successfully carry out the first phase of the plan. Hopefully, such a move would also act as a catalyst in providing the implementation of the second phase of Audubon's Resource Recovery Program. Phase II would include the recovery of glass, aluminum and miscellaneous metals.

The impact of Phase I at this early date is difficult to speculate. Realistic figures could expect to range from 20 to 40 percent per household during the early portion of the program. Favorable news coverage plus radio, newspaper and word-of-mouth publicity should increase participation in excess of 60 percent of the community's 3,000 population. That being the case, the City of Audubon could expect to realize a newspaper recovery rate ranging from 28.8 (40 percent participation) to 43.2 (60 percent participation) tons per year.¹ At a base price

¹ The recovery rate was based upon percentage estimates from Residential Paper Recovery A Municipal Implementation Guide (SW-155), (U.S. Environmental Protection Agency, 1975), pp.5-6.

APR 1 1977

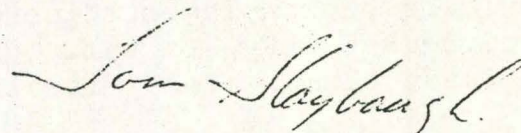
of \$15 per ton, the annual revenue generated by a 60 percent participation rate would be \$648. When matched by the Audubon Chamber of Commerce and the City of Audubon monies, more than \$1900 would have been raised for in-house community betterment projects.

In light of the amount of newspaper being utilized by insulation manufactures as well as other paper-oriented industries, the energy savings resulting from the foresight of a relatively small county seat community would be economically and environmentally advantageous throughout the midwest.

While earlier mentioned that the overall resource recovery program has not been finalized, it is the intention of the City of Audubon to utilize any monies derived from the selling of these recyclable goods for the purpose of community betterment. Initially, these funds would be used for upgrading the downtown business district. Preliminary plans have already been drawn-up for a business district refurbishing to include tree planting and park benches(see enclosure), providing that an agreement and a commitment can be realized between the concerned parties.

I respectfully submit this letter of intent to the Iowa Development Commission's Community Betterment division this 31st day of March, Nineteen hundred and seventy-seven.

Sincerely,



Thomas Slaybaugh
Audubon City Planner

Enclosure

APR 1 1977

9

UPPER DES MOINES OPPORTUNITY, INC.

AN EQUAL OPPORTUNITY EMPLOYER

1907 ELEVENTH ST., BOX 98

EMMETSBURG, IOWA 50536

TELEPHONE (712) 852-3866

March 31, 1977

LEONARD STRANSKY
President
Board of Directors
M. PETER HART
Executive Director

Serving Buena Vista,
Clay, Dickinson,
Emmet, O'Brien,
Osceola, Palo Alto and
Pocahontas Counties

Iowa Development Commission
Community Betterment
250 Jewett Building
Des Moines, Iowa 50309

Gentlemen:

The attached is a proposal requesting funds from the Iowa Development Commission to develop an interest in solar heating as an alternate method of home heating.

This agency, Upper Des Moines Opportunity, Inc., is a Community Action Agency serving 8 counties (Buena Vista, Clay, Dickinson, Emmet, Palo Alto, Pocahontas, O'Brien, and Osceola) in Northwest Iowa.

As a Community Action Agency we may not be eligible for funding from the Iowa Development Commission. We do feel we can develop a worthwhile energy program by co-mingling \$500 from IDC with our present energy funding.

Please give us your serious consideration.

Proposal
Energy Conservation Project
Iowa Development Commission

Description of Anticipated Project:

The project will consist of building solar heating devices to be installed on homes of elderly persons residing in the 8 county area served by Upper Des Moines Opportunity, Inc. The counties served are O'Brien, Osceola, Clay, Buena Vista, Dickinson, Emmet, Palo Alto, and Pocahontas

There are three members of the UDMO, Inc. staff who have attended two week-long solar energy workshops, one in Evergreen, Colorado in September of 1976, and in Kansas City, Missouri, in January of 1977. These three have been trained in constructing and installing solar heating devices. At this time they are conducting a solar energy class for the Iowa Lakes Community College, Emmetsburg, Iowa. There are 20 students enrolled in the class.

This agency has 8 winterize carpenters who will receive training in solar heating techniques.

A \$500 grant from IDC would allow us to purchase materials to build 3 solar heat collectors which would be placed on homes of low income elderly persons. The collectors if properly constructed and installed will save from 20 to 60% on fuel costs, depending upon the condition of the home.

These demonstration units will be viewed by all interested parties and construction plans (see Exhibit A) will be available to those desiring them. Hopefully this \$500 demonstration project will have a multiplier effect that will result in a large number of heat collectors being constructed throughout the area.

Estimate of State and Community Impact:

Several hundred people will have the opportunity to see the 3 heat collectors in operation. This will come about as a result of timely news releases announcing the time and place of installing the heat collectors.

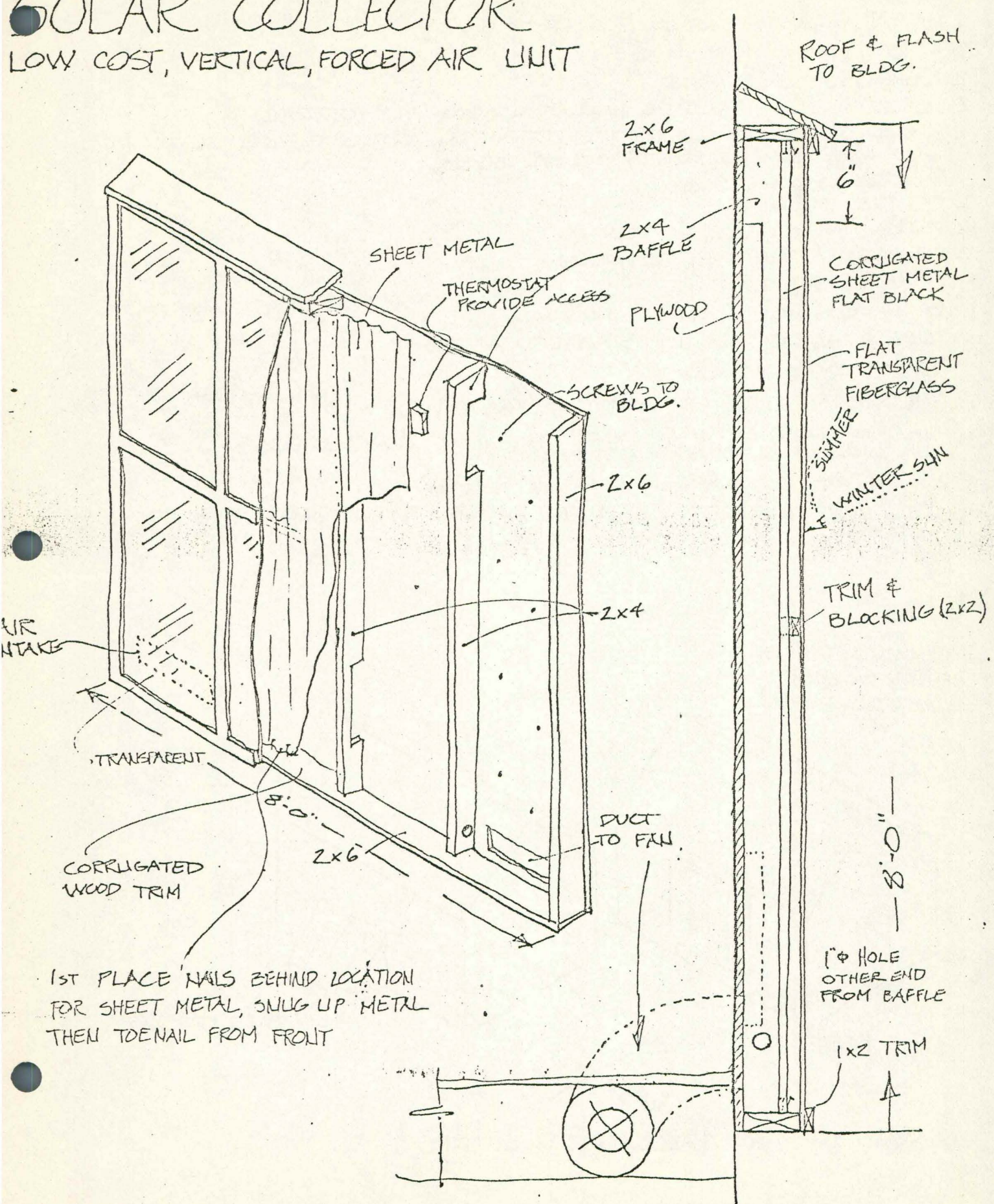
The main impact will be the realization by the general public that solar energy is an effective way of reducing heating costs at a very low initial cost.

Budget:

Iowa Development Commission	
Materials to build 3 solar heat panels	\$500.00
Upper Des Moines Opportunity, Inc.	
Carpenter staff to build and install 3 solar heat collectors	
8 carpenters x 8 hours @ \$3.55/hour	227.50
	<u>\$727.50</u>

Exhibit "A"

SOLAR COLLECTOR LOW COST, VERTICAL, FORCED AIR UNIT



1st PLACE NAILS BEHIND LOCATION FOR SHEET METAL, SNUG UP METAL THEN TO NAIL FROM FRONT

LOW COST SOLAR COLLECTOR MATERIALS LIST

#

4 8 FT 2x6's [cut to 7'-9", 2 to 8'-0"]

3 8 FT 2x4's [cut to 7'-9"]

2 SHEETS 4x8 PLYWOOD

2 SHEETS 4x8 CELOTEX INSULATION BEHIND RY. (OPTIONAL)

2 4x8 SHEETS CORRUGATED SHEET METAL (OUT SIDE, FLAT BLACK

W/ IRON RIGMENT PAINT) 2 QT BLACK

24 FT 2x2 WOOD TRIM

90 FT 1x2 WOOD TRIM

ROOFING NAILS, GALV. 1", 1 LB

SCREWS TO ATTACH GUT TO HOORSE

1 QT WHITE EXT. G.D. PAINT

1 LB 16 CC NAILS, 2 LBS 8 CC NAILS

3 TUBES CAULK, ALL JINTS SEALED AIRTIGHT

1 TUBE R 400 ADHESIVE

1 THERMOSTAT - LINE VOLT, 15' DIFF. (DAYTON ZE340)

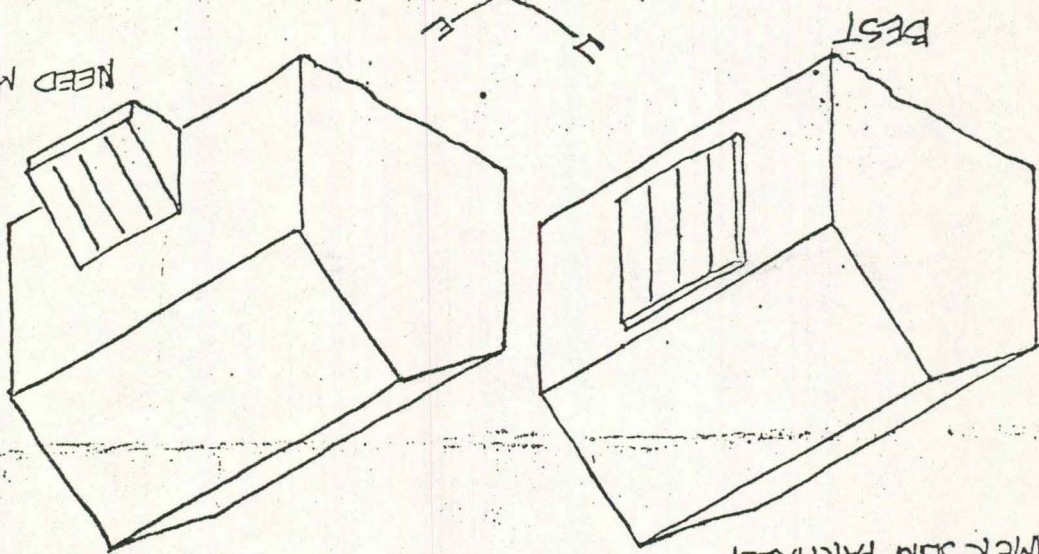
1 SHADED ROLE BLOWER (525 CFM 115V (DAYTON 4CA45))

2 4x8 SHEETS FLAT, TRANSPARENT FIBERGLASS

FLASH TOP OF COLLECTOR TO BLDG. IF NEEDED

INSTALL HAND OPERATED VENTS TO OUTSIDE THRU SIDE 2x6's -

GAINS WINTER SUN BUT REFLECTS UNWANTED SUMMER SUN PARTIALLY



2 WAYS OF ATTACHING COLLECTOR TO BUILDING

TOWN OF RODNEY

RODNEY, IOWA

51051

Dear Sirs:

Enclosed you will find copies of the proposed projects to be undertaken by the Town of Rodney. We are hereby applying for funds for the following:

Project #1 Installation of a 16'x 16' shelter house in the City Park, with cement flooring. Approximate cost: \$1100.00 (10)

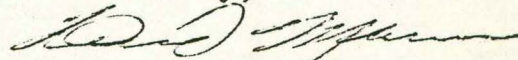
Project #2 Installation of new sidewalks at the City Park and at the City Hall. Footage requirements: 225'x 6'. Approximate cost: \$877.50 (11)

A \$500 grant per project would be greatly appreciated. The balance of needed revenue would come through local fund raising programs and available town funds.

Both of these projects would help to improve the environment of the town. Many citizens have expressed a desire for a shelter house in the park, which is put to good use throughout the year. The sidewalks are a much needed item, both at the park and at City Hall. The park, as mentioned, is a busy place year-round. The City Hall, beside housing the council and their meetings, is also used for various other town activities. New sidewalks will not only look much better but will also provide a greater measure of safety for those traveling the walks.

We would greatly appreciate your attention to our proposed projects, your approval, and subsequent funding for these.

Sincerely,



David Mann, Mayor

Harding Glass Industries



COLUMBUS ... 2908 23rd(402) 564-0535
FREMONT..... 250 E. 4th(402) 721-7678
GERING 1605 10th(308) 436-2149
KEARNEY 16 E. 23rd(308) 237-5191
LINCOLN..... 2740 N. 27th ... (402) 432-4431
NORFOLK..... 1901 W. Omaha (402) 371-0430
OMAHA 9090 F Street ..(402) 331-8833
YANKTON..... 119 E. 3rd(605) 665-3616

Shelter House in Rodney

*material + Labor for
shelter house 16'x16' cement slab
with 3 p overhang on roof -*

\$ 1100.00

*Kenneth A. Stratton
Oto, Ia*

Phone # 827-3196



Harding Glass Industries

COLUMBUS	... 2908 23rd	..... (402)	564-0535
FREMONT	..... 250 E. 4th	..... (402)	721-7678
GERING	..... 1605 10th	..... (308)	436-2149
KEARNEY	..... 16 E. 23rd	..... (308)	237-5191
LINCOLN	..... 2740 N. 27th	... (402)	432-4431
NORFOLK	..... 1901 W. Omaha	(402)	371-0430
OMAHA	..... 9090 F Street	.. (402)	331-8833
YANKTON	..... 119 E. 3rd	..... (605)	665-3616

material ^{labor} for sidewalks
 in Rodney, Iowa which is
 225 ft long and 6 ft wide.

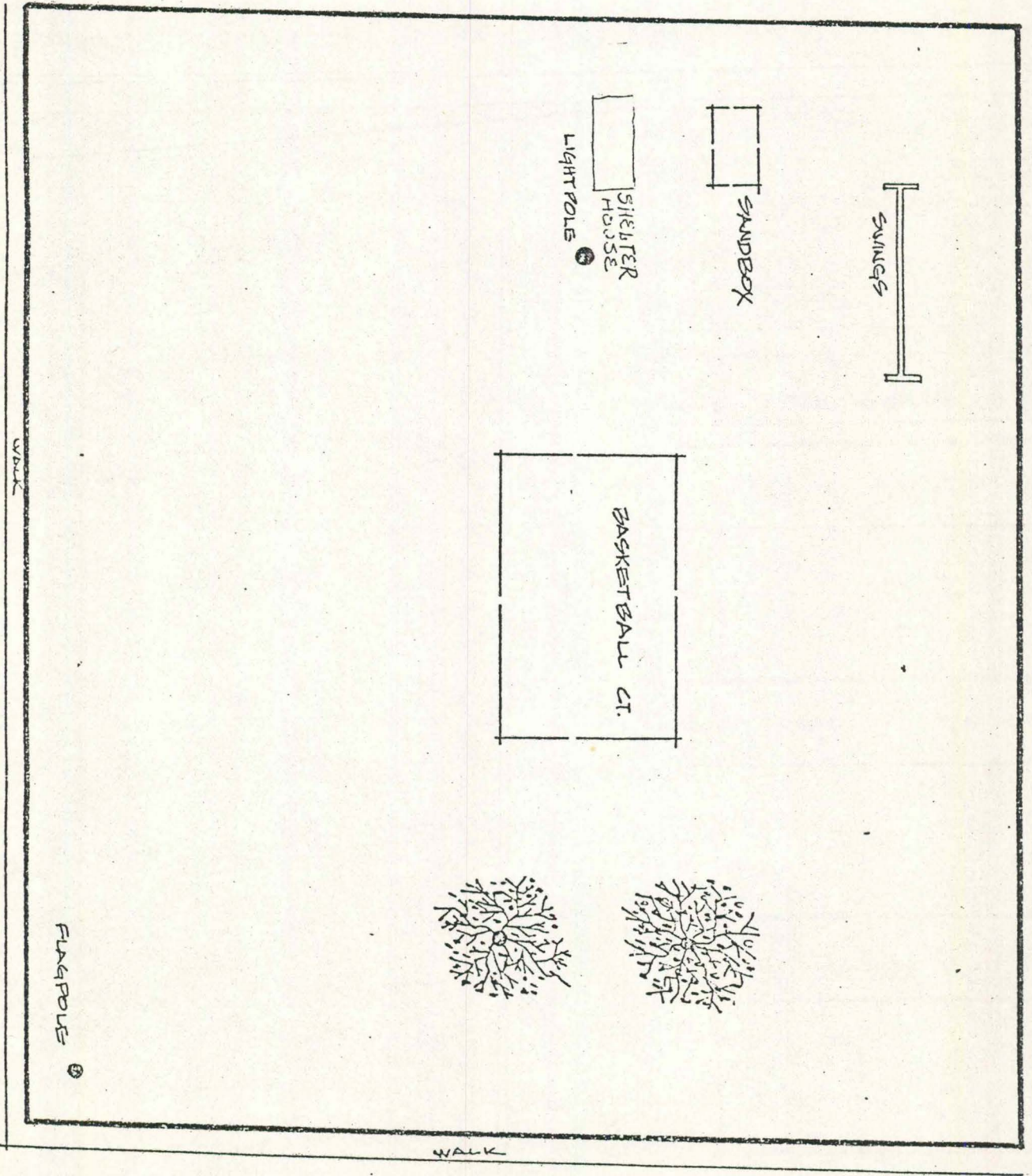
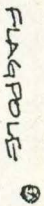
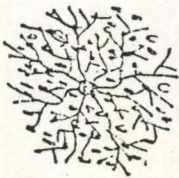
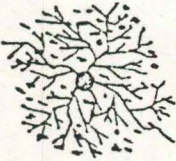
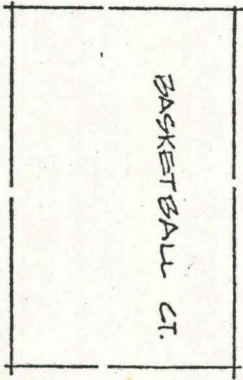
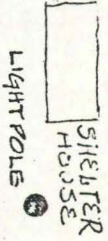
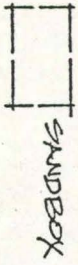
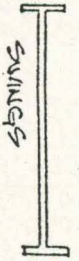
\$ 877.50

Kenneth A. Stutton

Os., Iowa

Phone # 827-3196

ALLEY



WALK

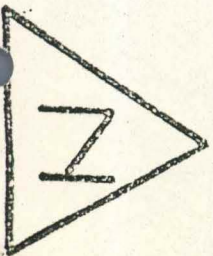
WALK

MAIN STREET

SECOND STREET

RODNEY, IDWA
CITY PARK... DEC. 1976

CAUSE... 10-00'



#12

Scarville Community Betterment Club
Patricia Leddon - Pres
P. O. Box 87
Scarville, Ia. 50473

April 5, 1977

Iowa Dev. Comm.
250 Jewett Bldg.
Des Moines, Ia. 50309

Dear Mr. Comer:

The town of Scarville would like to apply for the grant for the ICB Energy Project Grant.

Our town population is 96 and we are a completely volunteer community. We have carpenters, electricians, etc. living here that help build and maintain our town. We rarely have to pay for labor, do to our volunteers, which would apply to our energy project also. This estimate enclosed was however written with the cost of labor included. This may be eliminated later.

- Present Construction: Concrete block structure- 24' X 40' X 12' high.
- Present Heating : Fuel-oil furnace must keep a constant 50 degrees to insure proper function of fire equipment.
- Fuel Cost : 1975-76. . Used 1031 gallons with annual bill of \$354.02.
1976-77... Used 1262 gallons with annual bill of \$485.31
- Anticipated saving do to Insulation ; 30-40 % annually.
- Course of Action ; Frame up the walls and ceiling with 2X4 studding and install 6" Fiberglass insulation. This will be covered with 1/2" gypsum or 1/2" plywood. (Fire-retardent ~~for~~ styrofoam was considered but the price prohibited it)
The enclosed estimate is from Sprenger Lumber of Kiester, Mn. Two other estimates will be sought later.

Town Funding of Project : The funding will come from the Community Betterment Club which at present has \$300.00 in it's treasury. We have already scheduled a Benefit Dance at the Golden Bubble with the Chmieliewski Bros. last Feb.. We anticipate at least \$600.00 revenue from this function. Also scheduled since Feb., is the first Annual Scarville Beefalo Day. on June 4th. The is a full family-fun day with events includeing; Arts and Craft Show, Antiqae Show, Beefalo Dinner, Anything Goes Competition, Beer Garden, Bed Race and softball tournament. We anticipate enough profit from these two events to cover all our years projects. These included : Restrooms in Ball Park, Fireshed Insulation and Tennis court Lights. This is why we will have matching funds plus after June 5th. This day will be the culmination of over 65 people's efforts which began Feb. 3, 1977. Our water and sewer are next prime interest to be followed up on. It is in primary stages.

Thank you for allowing us to apply.

Sincerely,
Patricia Leddon

* in this estimate irre-
of how the inquiry may
read.

Clerical errors subject to cor-
rection.

All contracts subject to
Strikes, Lockouts and all con-
ditions beyond our control.

After **30** Days from
Date acceptance of order under
this estimate is optional.

For Mr. W. Lawrence Love Date 4-5 1977

Summer
Kester M. N.

P. O. Address _____

Location _____

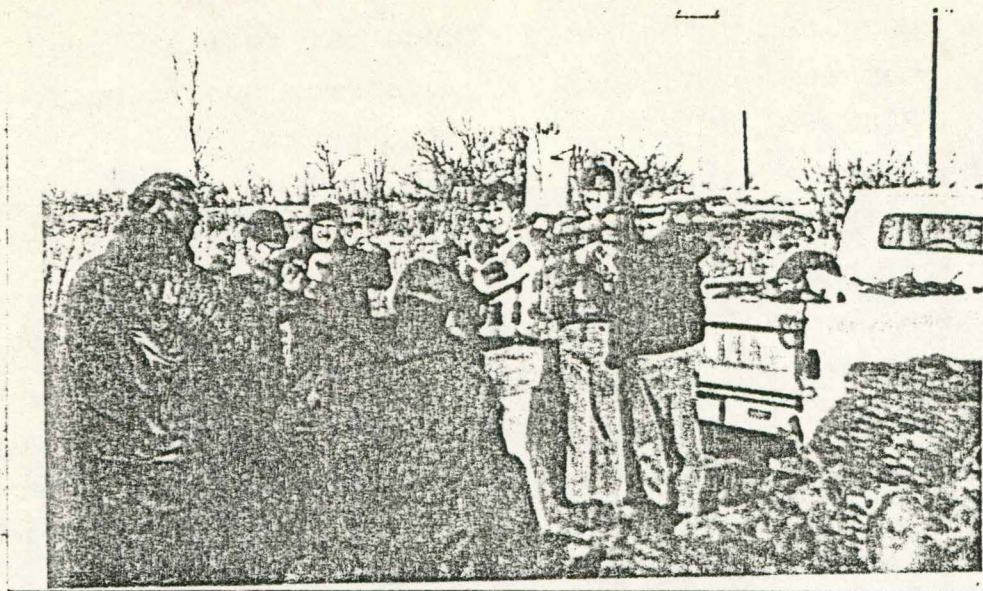
Terms in Full _____

106 lin ft walls 12' hi 6" ins and 1/2 CDX plywood

PCS.	SIZE	LGTH.	DESCRIPTION	FEET	PRICE	AMOUNT
318	lin ft		2x4 - ww plates		285 ⁰⁰	604 ⁰⁰
55			2x4 - 12 studs			125 ⁴⁰
1272	sq ft		6x24x48 76 Insulation		22	279 ⁸⁴
1272	sq ft		4 mi. Vynquon			22 ⁵⁰
1272	sq ft		1/2 x 4x8 CDX plywood			368 ⁸⁰
1	Box		K 28 nails			35 ⁴⁰
1	Box		N-19 nails			39 ¹⁰
5	#		many nails			4 ²⁵
						935 ⁹⁰
						37 ⁴⁰
						973 ³⁰
			Label for Proposed walls			450 ⁰⁰
						1423 ³⁰
			1/2 CDX plywood			368 ⁸⁰
1272	sq ft		1/2 x 4x8 Gypsum			120 ⁸⁰
			Gypsum would be this Amt Less			248 ⁰⁰
						973 ³⁰
						450 ⁰⁰
						120 ⁸⁰
						1544 ¹⁰
			Total Cost			
			* IF ANNUAL Savings are \$120 per year (30% of \$400)			

B
E
L
M
O
N
D

J
A
Y
C
E
E
S



BELMOND JAYCEES are "ahead thinkers and doers" but being a volunteer group, funding is always a major obstacle. Therefore, we believe they should be given consideration for an ENERGY PROJECT grant based on the following facts.

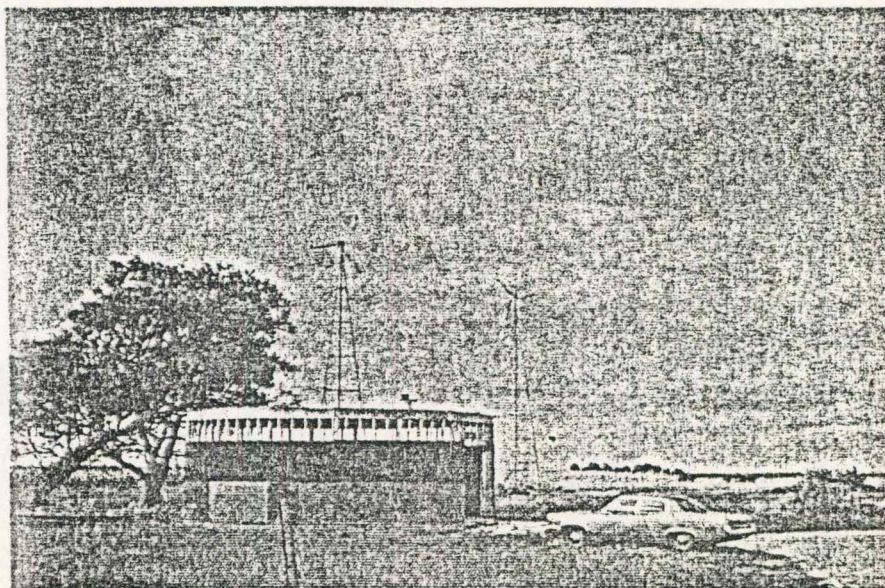
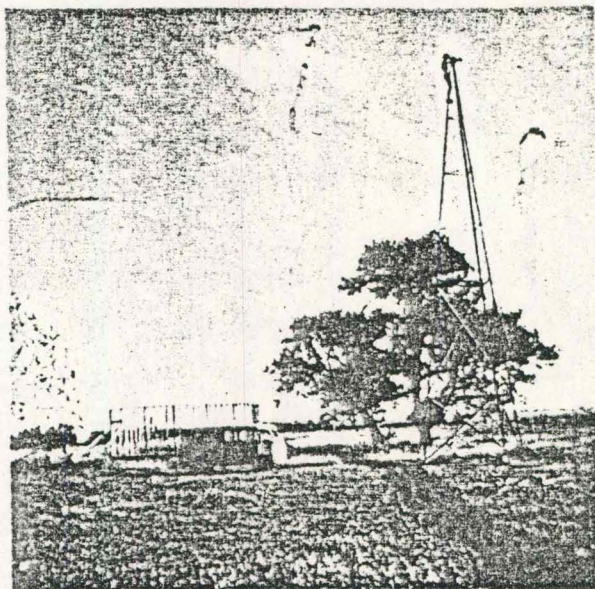
With the stress on shortage of energy, with many homes having wood burning fireplaces, Franklin stoves, etc., plus the fact that many trees were being bulldozed down and burned, all gave momentum to an idea for the Jaycees to help out their "doing good" budget by cutting up and selling this wood..

Borrowed saws, trucks and donated Jaycee labor started them out. Sales began to build up and they were able to buy themselves a couple saws and material enough for a "wood splitter" which the boys designed and built. As word got around, trees became more plentiful which also caused wear on the equipment. Now the Jaycees are aiming toward one new saw and material enough for a larger "wood splitter" for this year. All labor will be donated but the figures they have secured on the saw and materials necessary are given below:

8 hp engine/attachments	200.00
Hydraulic cylinder	125.00
Steel, hoses, tank, trailer material	225.00
Saw	235.00
The engine would eliminate borrowing a tractor for power.	<u>\$785.00</u>

A young man with limited funds but full of ideas and a yen to try them out, come what may, deserves consideration for an ENERGY PROJECTS grant to give him a boost.

He knows it will work through studies of the ideas---and, with a faith and hard work, he has started his self-sufficient homestead which will utilize air and sun for energy. This is a three-year project--about half done now--but he has to stop to earn money between sessions so a few extra dollars would bring it closer to the finished product to show what can be done with air and sun for energy. He will be buying another tower..



Town of Letts Corporation

ROBERT A. BARNES, Mayor

DORIS C. CLARK, Clerk

ADELIA E. H

LETT

April 4, 1977

15

Iowa Development Commission
Community Betterment Division
250 Jewett Building
Des Moines, IA 50309

Gentlemen:

Letts is a small rural community of 434 population situated on the border of Louisa and Muscatine Counties. It is a community which has many residents who are employed elsewhere in the area, and also a stable core population of long-time residents.

The two things with greatest impact that Letts residents can do to save energy involve home insulation and weather proofing, and car pooling. No doubt the same thing could be said about most rural, as well as urban, communities.

About 20 percent of all energy consumed is used in homes. With fuel costs escalating, homeowners can ill-afford to have heat escaping through the roof. For the elderly and disadvantaged, energy price increases are especially hard, with service cut-off an added threat.

By sharing a car with one person, a commuter can save up to 50 percent of transportation costs. With five persons per car, commuters save up to 80 percent. The Federal Highway Administration estimates that annual savings to the individual can range from \$281 to \$1,145, depending on car and carpool size, and distance traveled.

This proposal has two parts:

- To survey homes in Letts (particularly of elderly and low-income) for insulation and weatherproofing needs, to counsel homeowners on the needs, to identify sources of funding and/or loans, and to assist in installation of materials where appropriate. An experienced Letts resident would be hired to perform these tasks, a retired lumber yard manager.

Iowa Development Commission
April 4, 1977
Page 2

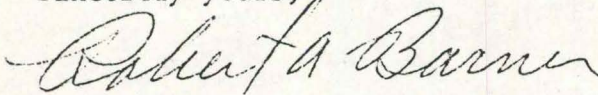
- To assist Letts residents in forming carpools by identifying commuters wanting rides or riders. A Carpool Locator Card will be attached to a community survey being conducted in Letts.

The City of Letts requests \$500 from the Iowa Energy Policy Council toward this worthwhile project, and acknowledges the assistance of the Iowa State University Extension Service, which can use its organization to make known some of the practical outcomes of the project throughout Iowa.

In addition, the City of Letts will soon begin work on a comprehensive plan, to be done by the Southeast Iowa Regional Planning Commission. It will include a housing element and eventually will lead to some type of housing ordinance, which in turn can include an energy conservation portion. The proposed insulation survey would make an invaluable addition to the comprehensive plan.

Thank you.

Sincerely yours,



Robert A. Barnes, Mayor

ajm

Southeast Iowa Area XVI Regional Planning Commission



Officers

CHARLES FRAZIER, Chairman ARTHUR BOLTON, Secretary
MERLE KELLY, Vice-Chairman EDD KING, Treasurer
MICHAEL V. DUNN, Executive Director

Commission Members

DES MOINES COUNTY
De Edwin White
Merle Kelly
Jack Waldhoff

HENRY COUNTY
Cleo Johnson
Edd King
Leland McCosh

LEE COUNTY
Charles Frazier
James Hawkins
Otto Podlaha

LOUISA COUNTY
Arthur Bolton
Alfred Coon
Virgil Corey

April 6, 1977


Iowa Development Commission
Community Betterment Division
250 Jewett Building
Des Moines, IA 50309

Dear Sir:

The Southeast Iowa Regional Planning Commission has recently been informed that the City of Letts has applied for a \$500 grant to develop an energy conservation program. A major element of this program includes a house-by-house survey of insulation and weatherproofing needs as well as assistance to individual homeowners concerning materials and sources of public and private assistance. The Planning Commission sees this as a highly desirable and worthwhile program for two reasons. First, there is an identified need to preserve and maintain existing housing in the region, especially that of low and moderate income persons. An energy conservation project as proposed here not only should promote more efficient energy uses, thereby reducing the financial burden on these persons, but will help to preserve our existing housing stock. Secondly, as the City of Letts has received tentative funding approval for the development of a Comprehensive Plan through the H.U.D. 701 Program, it has been proposed that the data resultant from the energy project be incorporated as an element of the plan. This will be the first time in Region XVI that a Community Plan has specifically addressed energy conservation.

The Southeast Iowa Regional Planning Commission fully supports Letts' application, and hopes that your agency will act favorably toward its funding. Such an effort will not only benefit the City of Letts, but will provide a model for similar surveys to be conducted in other communities in the region.

Sincerely,


Michael V. Dunn, Director

MVD:cm

cc: Robert A. Barnes, Mayor
Rick Person
Ernie Hayes

P. O. Box 971
Keokuk, IA 52632
(319)-524-4711

CARPPOOL LOCATOR CARD

AS PART OF THIS COMMUNITY SURVEY, EFFORTS WILL BE MADE TO MATCH AREA RESIDENTS WHO WOULD LIKE TO FORM CARPOOLS OR FIND RIDES.

PLACE OF WORK:

STARTING TIME:

CITY:

STOPPING TIME:

WANT CARPOOL

WANT RIDE

WANT RIDERS

NAME:

ADDRESS:

HOME PHONE NO.

WORK PHONE NO.

LETTS COMMUNITY SURVEY

I. COMMUNITY CHARACTERISTICS

Please indicate how you would evaluate each of the following in the Letts Community, in relation to surrounding communities with which you are familiar. For example, if you think that the medical services in the Letts community are excellent in comparison to other towns, you might circle a "1"; if you think they are good, you would circle a "2"; and if you think they are poor, you would circle a "4". Please circle the number which most nearly expresses your evaluation of each of the listed characteristics. If you have no opinion, please circle a 5.

	<u>Excellent</u>	<u>Good</u>	<u>Fair</u>	<u>Poor</u>	<u>No Opinion</u>
1. City Streets	1	2	3	4	5
2. County Roads	1	2	3	4	5
3. State Highways	1	2	3	4	5
4. Church Activities	1	2	3	4	5
5. Fire Protection	1	2	3	4	5
6. Outdoor Recreation	1	2	3	4	5
7. Indoor Recreation	1	2	3	4	5
8. City Law Enforcement	1	2	3	4	5
9. Medical Services	1	2	3	4	5
Public Utilities					
10. Gas Service	1	2	3	4	5
11. Electric Service	1	2	3	4	5
12. Telephone Service	1	2	3	4	5
13. Garbage Pickup	1	2	3	4	5
14. Cafes and Restaurants	1	2	3	4	5
15. School System	1	2	3	4	5
16. Job Opportunities for People Age 17 to 25	1	2	3	4	5

	<u>Excellent</u>	<u>Good</u>	<u>Fair</u>	<u>Poor</u>	<u>No Opinion</u>
17. Bank Financing	1	2	3	4	5
18. Town-Farm Relations	1	2	3	4	5
19. Participation of People in Community Activities	1	2	3	4	5
Housing Availability:					
20. To Buy	1	2	3	4	5
21. To Rent	1	2	3	4	5
22. Why do you feel that Letts is a good place to live? (Circle one or more.)					
a. I am a long-time resident and I consider it my home.					
b. Good housing is available at a cost I can afford.					
c. I prefer a small community.					
d. Letts is within easy commuting distance of my employment.					
e. Other reasons: _____					

What do you think of the physical appearance of the following:

	<u>Excellent</u>	<u>Good</u>	<u>Fair</u>	<u>Poor</u>
23. Residential Areas	4	3	2	1
24. Commercial Areas	4	3	2	1
25. Public Buildings and Grounds	4	3	2	1
26. Highway entrances to Letts	4	3	2	1

Indicate your opinion of Letts' relations with:

	<u>Friendly</u>	- - - - -	<u>Unfriendly</u>
27. Columbus Junction	1	2	3 4 5
28. Fredonia	1	2	3 4 5
29. Grandview	1	2	3 4 5
30. Muscatine	1	2	3 4 5
31. Wapello	1	2	3 4 5

Would you be willing to volunteer your time for a community-improvement project pertaining to:

	<u>Yes</u>	<u>No</u>	<u>Undecided</u>
32. Elderly Transportation	3	2	1
33. Youth Recreation	3	2	1
34. City Clean-up	3	2	1
35. Library	3	2	1

Any comments you wish to make concerning the above or other community characteristics: _____

II. COMMUNITY SERVICES

The following questions are about community services in the Letts community. Please circle the number which would most nearly express your answer.

	<u>YES</u>	<u>NO</u>	<u>DON'T KNOW</u>
36. Do you believe the Letts community has an adequate tornado warning system?	1	2	3
37. Do you favor raising funds for special community projects?	1	2	3
38. (Answer this question only if you are on the Letts telephone exchange.) Would you favor extended area telephone (toll-free) service to Muscatine?	1	2	3
39. If Letts were to have a tree planting program, with trees furnished at a reasonable cost, would you participate?	1	2	3
40. Are newcomers to the community invited to participate in church and other groups' activities?	1	2	3
41. Do you feel there is a need for a day care center for pre-school children?	1	2	3
42. Do you or members of your family regularly watch the educational TV station in this area?	1	2	3
43. Would you favor an ordinance to remove unsightly buildings?	1	2	3
44. Would you favor an ordinance requiring removal of junk autos from the Letts residential area?	1	2	3
45. Should the city appoint a weed commissioner to enforce weed control in Letts?	1	2	3
46. Would you favor having a bicycle safety program for youngsters and others riding bicycles?	1	2	3

Do you know where to call for:

47. the police?	1	2	3
48. the fire department?	1	2	3

Any comments about community services (present services or needed services):

What, in your opinion, can the Letts City Council do to make Letts a better place to live and work?

III. SENIOR CITIZENS

The following questions are about senior citizen's activities, facilities and services in the Letts Community. Please circle the number which most nearly expresses your answer.

	<u>YES</u>	<u>NO</u>	<u>DON'T KNOW</u>
49. Do you believe there are sufficient social and recreational activities available for older and retired people in Letts?	1	2	3
50. Is there a need for low rent housing for the elderly or retired people at a reasonable rent?	1	2	3
51. Would you be interested in receiving one hot meal per day from Meals on Wheels or a similar program?	1	2	3
52. Do you believe there are sufficient opportunities for older and retired persons in Letts to contribute as much as they might to community projects and activities?	1	2	3
53. Is there a need for a daily telephone call to the handicapped and elderly living alone to see if they have needs or problems requiring any assistance?	1	2	3
54. Are you aware of the county transportation for the elderly program?	1	2	3

Any comments you wish to make about senior citizen needs, facilities, services, etc.:

IV. ECONOMIC DEVELOPMENT

The following questions are about economic development in the Letts community. Please circle the number which most nearly expresses your answer.

	<u>YES</u>	<u>NO</u>	<u>DON'T KNOW</u>
55. Do you think the Letts community is large enough to attract industry?	1	2	3
56. If your answer to question 55 was "Yes", check <u>one</u> of the answers below:			
_____ (1) Small industry - up to 10 employees			
_____ (2) Medium size industry - 11 to 50 employees			
_____ (3) Large - over 50 employees			
_____ (4) Both small and medium size industries			
_____ (5) Small, medium and large industries			
57. Do you feel that the Letts community should devote more effort in trying to attract an employer of about 25 people?	1	2	3
58. Do you feel that the Letts community should co-operate with other nearby communities in attracting new industries?	1	2	3
59. Is there a need for a long-range planning board or committee for the future and best interests of the Letts community?	1	2	3

V. RECREATION

The following questions are about recreation in the Letts community. Please circle the number which most nearly expresses your answer.

	<u>YES</u>	<u>NO</u>	<u>DON'T KNOW</u>
60. Is there a need for a supervised summer recreational program?	1	2	3
61. Would you favor using the school gym and gym facilities in a supervised winter recreation program?	1	2	3
62. Should a place be provided where young and old people could meet for social and recreational activities?	1	2	3

Please list any comments you have regarding recreation or recreational facility needs in the Letts community. _____

VI. COMMUNITY IMAGE

Following are a number of terms which are often used to describe communities. They are listed as pairs, with one descriptive term at one side and the opposite term at the other side. We would like for you to circle one number for each pair. For example, if you believe Letts is very friendly, you would circle the 1. If you feel it is neither very friendly or very unfriendly, you would circle one of the numbers between 1 and 5 which best expresses your opinion. Please circle one number under each of the following terms:

- | | | | | | | |
|---|---|---|---|---|--|---|
| 63. Friendly | 1 | 2 | 3 | 4 | Unfriendly | 5 |
| 64. Moving ahead | 1 | 2 | 3 | 4 | Going downhill | 5 |
| 65. Active | 1 | 2 | 3 | 4 | Inactive | 5 |
| 66. Encourages new employers | 1 | 2 | 3 | 4 | Discourages new employers | 5 |
| 67. Businessmen - friendly and progressive | 1 | 2 | 3 | 4 | Businessmen - cold and standing still | 5 |
| 68. Residential area neat and clean | 1 | 2 | 3 | 4 | Residential area run-down | 5 |
| 69. Business district neat and clean | 1 | 2 | 3 | 4 | Business district run-down | 5 |
| 70. City government efficient | 1 | 2 | 3 | 4 | City government inefficient | 5 |
| 71. Businessmen all promote the community | 1 | 2 | 3 | 4 | Only part of the businessmen promote the community | 5 |
| 72. All citizens actively support the community | 1 | 2 | 3 | 4 | Only part of the citizens support the community | 5 |

Any comments you wish to make regarding the community's image: _____

VII. HOUSING

	<u>YES</u>	<u>NO</u>	<u>DON'T KNOW</u>
73. If you are <u>not now retired</u> , do you plan to retire in Letts when you do retire? (If you are now retired, skip this question.)	1	2	3
74. Is there a need for more residential building lots in the town of Letts?	1	2	3
75. Would you build a home here in the near future?	1	2	3
76. Would you be willing to move into an apartment if one were available?	1	2	3
77. If your answer to question 76 was "Yes", how many bedrooms would you prefer? (check one answer beldw)			
_____ (1) None (efficiency apartment)			
_____ (2) One bedroom			
_____ (3) Two bedroom			
_____ (4) Three or more bedrooms			
78. Would you favor using tax dollars to provide the streets and utilities required to make residential lots available?	1	2	3
79. Would you favor establishment of a mobile home park?	1	2	3
80. Do you feel Letts could use a new subdivision developed?	1	2	3
If yes, in which area of town? _____			

81. Do you favor construction of new homes on smaller lots in the older parts of town?	1	2	3
82. Is adequate financing available for purchasing housing in Letts?	1	2	3
83. What do you feel you can pay for rent or house payments per month?			
(1) \$100-150			
(2) \$150-200			
(3) \$200-250			
(4) \$250-300			
(5) Over \$300			

VIII. PERSONAL AND SOCIAL CHARACTERISTICS

Because people's needs and wants may differ by where they live, their age, retirement status, etc., it is very important that this section be completed in order to be able to group answers by these characteristics. For example, while we need to know what people who are not senior citizens think about senior citizen's needs, it is extremely important that we be able to group answers from those who are senior citizens in order to determine what they feel they need. All answers are grouped; individual answers are confidential. Please do not sign the questionnaire.

84. What is your place of residence?

- (1) In Letts
- (2) On a farm
- (3) Rural non-farm

85. About how many years have you lived in the Letts area?

- (1) Less than 1 year
- (2) 1 to 5 years
- (3) 6 to 12 years
- (4) 13 to 23 years
- (5) Over 23 years

86. What is the age of the head of your household?

- (1) Under 24
- (2) 25 to 34
- (3) 35 to 44
- (4) 45 to 54

87. (5) 55 to 64
- (2) 65 to 74
 - (3) Over 75

88. Is the head of your household retired?

- (1) Yes
- (2) No

89. How many people are now living in your household?

- (1) One
- (2) Two
- (3) Three
- (4) Four
- (5) Five or more

How many people now living in your household are:

- 90. Under 6 years
- 91. 6 to 10 years
- 92. 11 to 14 years
- 93. 15 to 19 years
- 94. 20 to 24 years
- 95. 25 to 40 years
- 96. 41 to 59 years
- 97. 60 to 64 years
- 98. 65 to 74 years
- 99. 75 years and older

How many male members of your immediate household are employed away from Letts or your farm? (i.e., how many are commuting to work?)

100. Number, full time _____

101. Number, part time _____

How many female members of your immediate household are employed away from Letts or your farm? (i.e., how many are commuting to work?)

102. Number, full time _____

103. Number, part time _____

In what town or towns, if any, do members of your immediate household work? Please list the names of the towns below.

IX. LETTS PUBLIC LIBRARY

The Board of the Letts Public Library would appreciate your help and suggestions as to how we can better offer our service to the community. We hope from this we will be able to work out some new ideas. Thank you.

Librarian - Judi O'Hara

Board - Corita McCormac, Ilene Blake, Shirley Dickinson, JoLynne Fuller, Bernice Taylor

1. Do the present hours (Tues. and Fri. - 2:30-5:00 p.m.) allow you and your family time to visit the Library?

_____ Yes

_____ No

If not, would evening hours or Saturday mornings be better? (circle one)

2. What kinds of books would your family most enjoy reading?

Adult -

Children -

3. Would you be interested in having the Library subscribe to magazines to be circulated on a fairly regular basis?

_____ Yes

_____ No

4. Should the Library provide a meeting room for use of individuals and/or organizations?

_____ Yes

_____ No

5. Any other suggestions: _____

For each of the items listed on the left side of this sheet, please check in which town you BUY THE MOST of that good or service.

	Town Where You BUY THE MOST of That Item							
	LETTIS	COL. JCT.	MUSC.	WASH.	DAV.	IA. CITY	WAPELLO	OTHER TOWN
Groceries								
Clothing								
Hardware								
Appliance repair, TV & radio								
Laundromat								
Electrical Services								
Plumbing & Heat- ing Service								
Hospital								
Machinery Repair								
Building Supplies								
Autos								
Auto Repair								
Medical Doctor								
Dentist								
Furniture Appliances								

Thank you very much for taking your time to share your ideas on how to make our community a better place in which to live and work.

TOWN OF ROWAN

ROWAN, IOWA

APR 13 1977 16

MAYOR — TED SCHAEFFER
CLERK — PATRICIA J. CRAFTON

COUNCILMEN
LYNN E. BAILEY
GERALD KNIGHT
DON MATHIASON
GRACE SELLERS
JIM UTZ

APPLICATION FOR GRANT

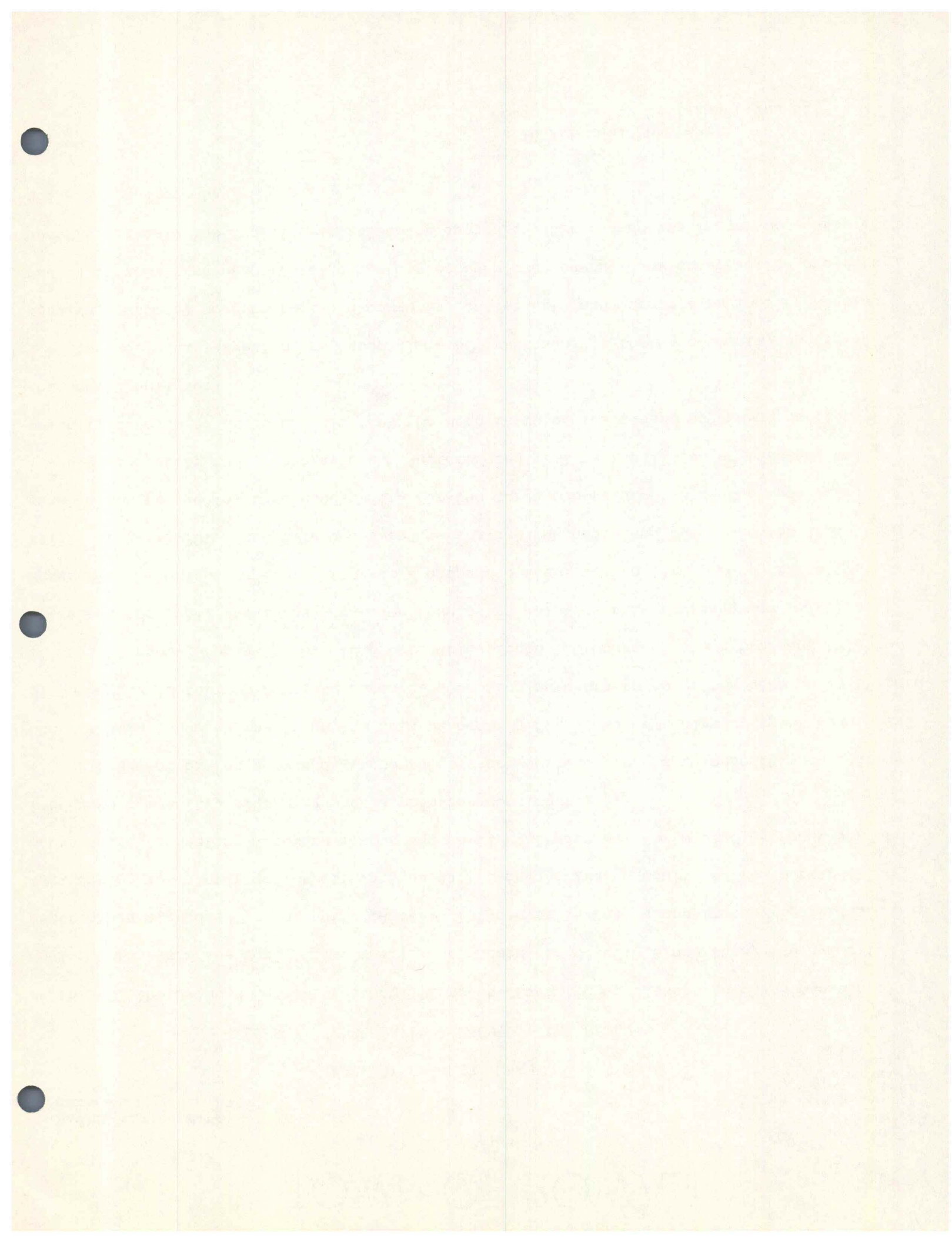
ENERGY CONSERVATION PROJECT IN ROWAN

In 1972 the Belmond Community School District discontinued classes in our Rowan school building and sold the building to the town of Rowan for \$1.00. Since then, the gymnasium section has been used as community center. The center is used approximately 5-6 times a week during the winter months for various activities including adult and youth recreation programs, club meetings, square dances and family gatherings. It is used by about 90% of the Rowan community, plus many people from surrounding towns.

The basement dining room and kitchen of the community center is in need of much improvement to help conserve energy in the form of heating fuel. We have already spent about \$250 of Community Betterment funds to purchase carpeting remnants to cover the side walls of this 60' by 36' room. Approximately 12 people volunteered 120 hours of their time and talent to select and apply the carpeting. The insulation value of this covering was immediately apparent. Future plans are to install a suspended acoustical ceiling, which is estimated will cost \$1375.00. This tile could reduce the ceiling heat loss by as much as 15%. Also planned are removable, insulated covers for the large drafty windows on the west wall. These will greatly reduce energy use. Another need will be insulation of the east wall, which is soon to be exposed because of the demolition of the older, adjoining portion of the school building.

This energy conservation project will be of great benefit to the community as it will provide a warmer, more comfortable community center with considerable savings of heating fuel. In this time of national and state concern over energy, any conservation projects benefit not only the individual citizen or community, but indeed the larger community of our state and country.

Submitted by
Molly Ketchum, Chairman
Rowan Community Betterment Council



CITY OF RIDGEWAY

RIDGEWAY, IOWA 52165

17

April 9, 1977

Mr. Paul Comer
Director of ICB
Iowa Development Comm.
250 Jewett Building
Des Moines, Iowa 50309

Dear Sir;

The Mayor and city council have requested that the city clerk request a grant for the city's energy saving program.

The project is the city hall. The measurements being 100ft. X 40ft. with a full basement.

In one end of the building are the rest rooms and in the other end is the kitchen.

The fuel oil furnace was installed so that there is no way to eliminate heating the main floor and the basement when not in use which is used only once in some months.

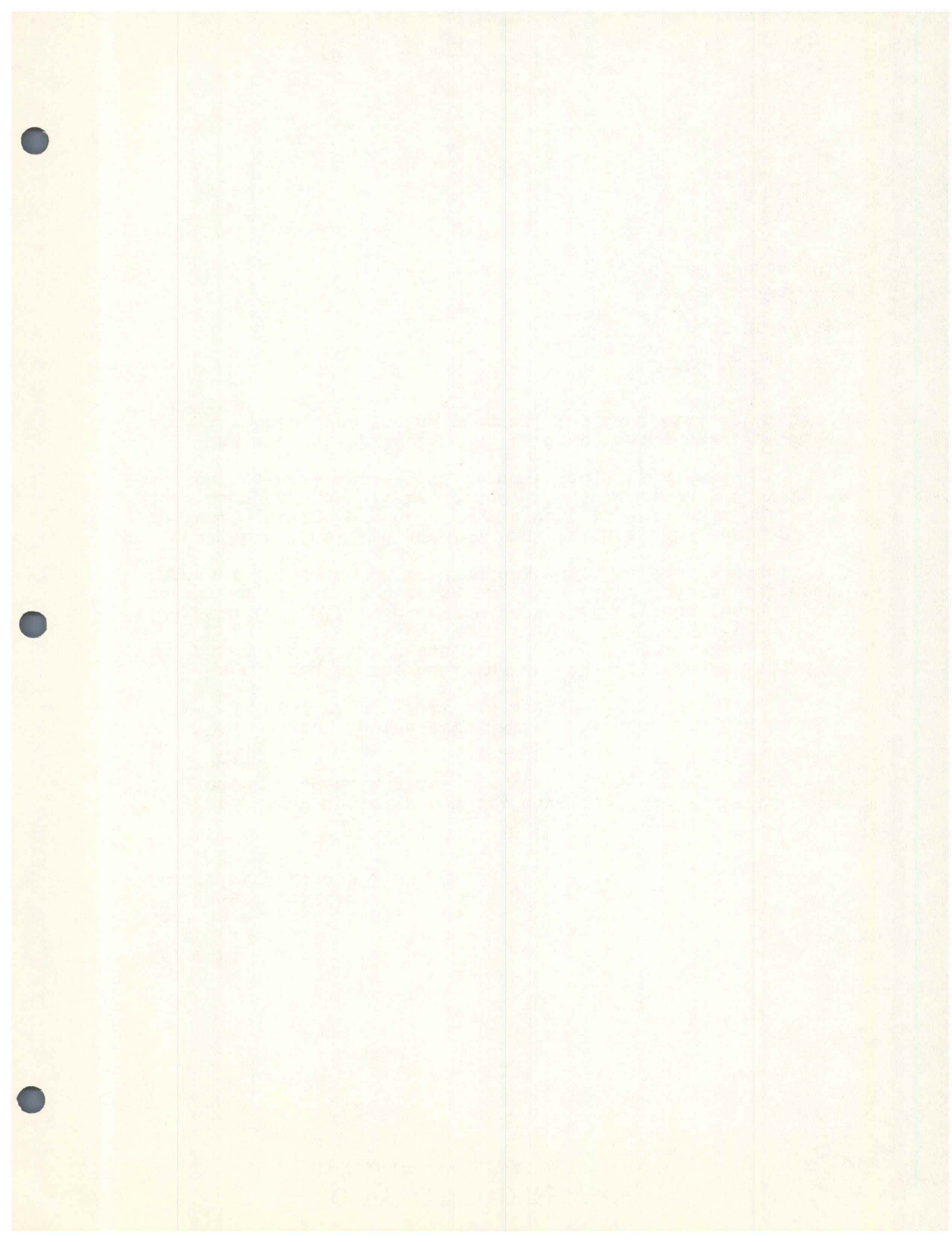
With a grant and our low bank balance, the heating system, with the use of electric heat tapes, could be re-done so when the hall is needed, it would be very easy to switch the heat ducts to heat what would be needed.

The fuel oil bill for the coldest months was \$194.68 and with this fuel saving program, the fuel bill would be reduced a great deal.

Yours truly

City of Ridgeway

Grace Kecker
Grace Kecker, Clerk



Mrs. Ernest Schwab
Librarian

CORALVILLE PUBLIC LIBRARY

806 Fifth Street
Coralville, Iowa 52241

Phone
319-351-2163

18

April 11, 1977

Mr. Paul Comer
Iowa Community Betterment Division
Iowa Development Commission
250 Jewett Building
Des Moines, Iowa 50309

Dear Mr. Comer;

We understand that grants up to the amount of \$500.00 are being made available to assist communities with energy conservation projects. We would like to submit our proposal for consideration.

Sincerely yours,

Vera Russell

Vera Russell - Chairperson
Coralville Library Board of Trustees
806 5th Street
Coralville, Iowa 52241

Mrs. Ernest Schwab
Librarian

CORALVILLE PUBLIC LIBRARY

806 Fifth Street
Coralville, Iowa 52241

Phone
319-351-2163

PROPOSAL FOR GRANT

Project -

Establishment of an Energy Conservation Information Center in the Coralville Public Library as part of a city-wide endeavor to encourage energy conservation awareness. An area in the Library containing shelf space, a file cabinet and a table and chairs will be set aside for information dealing with all aspects of energy conservation. We hope to provide books, pamphlets, periodicals, posters, displays and hand-outs. When these materials have been gathered we will conduct a publicity campaign which will include coverage in local newspapers, flyers distributed to library patrons and a poster contest for area children.

Other funds -

The Coralville Library Board of Trustees has agreed to allow \$200.00 of our present book budget to be used towards the purchase of necessary materials for the project. However, at today's prices this will not go far.

Impact on our community -

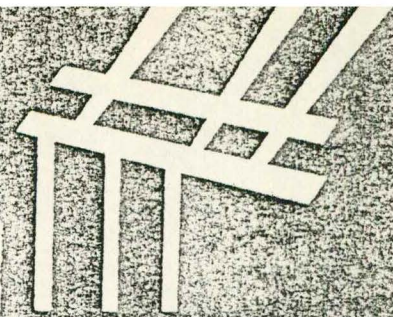
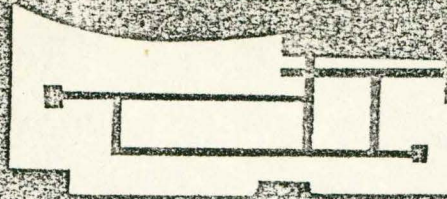
We feel our project is a desirable means of making our city departments and members of our community energy conscious and that such action could go far in encouraging Coralville citizens to take energy conservation seriously.

Vera Russell
Vera Russell - Chairperson
Coralville Public Library
Board of Trustees

D
A
I
D
C

Dubuque
Area
Industrial
Development
Corporation

West Dubuque
Industrial Park



April 14, 1977

19

Mr. Paul Comer
Community Betterment Dept.
IOWA DEVELOPMENT COMMISSION
250 Jewett Building
Des Moines, Iowa 50309

Dear Paul:

We are herewith submitting two entries in the competition for grants under the Iowa Energy Policy Council's conservation program.

The Dubuque Ambassadors Civic Committee has collected the data for the entries, and is coordinating with the City Key Line Bus and the Environmental Coordinating Committee.

If any grants are won, we would appreciate having the check drawn to the City of Dubuque, but mailed or presented to the Ambassadors so that we might gain some promotional value in publicly presenting the check to City Council.

Further, if there are any details, or added information needed, in either of the entries, please don't hesitate to call us.

Cordially,

Gent Wittenberg, Chairman
Civic Committee
DUBUQUE AMBASSADORS

GW/ss

APR 15 1977

19

ENERGY CONSERVATION PROJECT

Identification: Industrial Bus Service

Location: Dubuque, Iowa

Background: Dubuque City buses, running on an experimental basis, have provided transportation to the local John Deere plant, for a number of workers who now leave their cars at home.

Task: How to expand this energy-conserving plan to include a larger percentage of Dubuque's 17,000 industrial workers in 145 plants.

Program: With the cooperation of Key Line bus officials, plant owners and plant workers, the latter would be encouraged to leave their autos either at home, or in "staging" areas around the city. Buses would then pick up riders at these points, and at stops along the way, provided that these stops would not interfere with overall scheduling. Also invited to take part in the new plan would be the 5,000 commuting workers who drive to Dubuque plants daily from outlying towns in the Tri-State area. These cars could be left at the staging areas, with workers changing to the buses. All riders would then be carried to the "front door" of the factories participating in the project. Funds secured for this project would be used to publicize, promote and advertise the plan to gain participants among Dubuque's 145 plants.

- Benefits:
1. Conservation of energy, since less fuel will be used by the bus than perhaps 25-30 cars making the same trips daily.
 2. Less depreciation on transporting vehicles.
 3. Less wear and tear on streets and highways.
 4. Lesser need for "second" car used by housewife and family.
 5. Less tardiness and absenteeism at work resulting in better production.
 6. Increase public awareness of fuel shortages in Dubuque and State of Iowa.
 7. Safety.

A rolling success

4-6-77

KeyLine, Deere workers applaud experimental bus

JOHN BULKLEY
Staff Writer

ing in demand is a great, great
g."
at's how Bill Kohler, long-time man-
of Dubuque's bus system, assesses the
whelming success of the new bus ser-
o the John Deere plant.
e six buses that run to and from the
e plant each morning and afternoon
leted the third week of operation last
y, and the results, by all accounts, are
nding.

e first week attracted enough riders to
per cent of the available seats. KeyLine
es were happy, but not ready to de-
victory since the novelty may not have
off.

e second week drew enough riders to
per cent of the seats. Bus officials said
would have been happy to match the
week's pace.

e week the Deere buses ran at 69 per
capacity, and the officials were trium-
More than 350 persons a day were
ng KeyLine buses to and from Deere.
ast 10 buses since March 22 have been
3 passengers) or with passengers
ng in the aisles.

impling of comments from riders on
orning's Plaza 20-Deere early shift bus
s reaction:

e been riding since it started, and I like
d Greg Francois, 880 Valentine Drive.
ughter goes to school, so I take the
at way I didn't have to buy a second

as in a five-guy car pool," said Carl
2280 Green St. "At first we didn't
we'd break it up, but now four of us
e bus. The other guy won't give in."
bus drops me about a quarter-block



Sherkow



Kohler

Planning, enthusiasm the key

from where I actually work," said Wayne
Wisco, 2293 Pearl St. "When I drove, I had to
walk a quarter-mile from the parking lot."

"It's the convenience of the bus, the no-
parking hassle, and I think the workers are
finding out what we've been saying all along
— that riding the bus is a pleasant, even fun
thing to do," says Kohler.

"Some bring coffee to drink on the way, or
they bring their morning newspaper. One
guy told me he monitors his radio scanner
each morning, listening for the bus driver's
message to the garage that he's leaving the
Plaza 20 starting point. He said that way he
can gauge when to go out the door and meet
the bus," said Kohler.

"A couple of guys have told me they've
even sold their second cars. There's a lot of
camaraderie on the buses, new friends are
being made. They jeer at people in cars who
get in their way," he said.

"Now we're getting pressure from Deere
people in the south end of town who don't
have a bus to work. And I hear there's a
petition under way at the packing company
to get some buses down there. We're getting
calls from people who work on Industrial
Park, wondering when they're going to get a



bus. It's fantastic," said Kohler.

He gives a lot of credit to Frank Sherkow,
the transportation planner in the East Cen-
tral Intergovernmental Association office.
"Frank did the surveys, laid out the routes,
the nuts-and-bolts stuff. He did a great job."

Sherkow said, "We didn't expect to be
where we are in terms of patronage for
another six months or so, and thanks to
Deere and a lot of other people it's been a
tremendous success."

Deere donated staff time and assistance
for the new bus service, and promoted it
inside the plant. Kohler thinks Deere's per-
mission to let the buses use the private
thoroughfare that runs between the plant's
buildings was the key to success.

"It allowed us to drop them off right at the
door, and a lot of riders tell us that's what
they like best," he said.

Deere riders pay 50 cents a trip — 10 cents
more than the normal fare. But they can buy
a punch card good for 11 trips for \$5. At first,
most of the fares were cash. Last Friday
morning, three out of four riders had punch
cards.

Kohler said the cost of the Deere service
to date has been \$1,455, which covers
driver's wages, diesel fuel, motor oil, anti-

freeze and wear and tear on tires and tubes.

The revenue from the Deere service to
date has been \$2,140. A profit at KeyLine is
rare and comfortable thing.

The Deere service is an experiment, pos-
sible only by virtue of a special grant from
the Iowa Department of Transportation.
Terry Fritz, director of the department's
public transit division, said he has difficulty
believing the success.

"I'll be honest, we had a lot of misgiving
about funding that project," said Fritz. "We
just considered it doubtful that you could
persuade relatively highly paid workers to
get out of their cars and on the bus. The
popular opinion is that the only people who
ride the bus are poor people. Kohler and
Sherkow convinced us it was worth a shot.
We are very surprised and very pleased."

"It shows that if you sit down and plan
well, and get all the various parties involved
and enthusiastic — the state, the city
private industry — it will work. Sure, that
sounds trite. But it's true," said Fritz.

"They deserve the credit locally. Dubuque
did it right. They approached it unemotion-
ally, with a business-like point of view, and it
worked. And if it worked in Dubuque, it can
work in other cities too," said Fritz.

ENERGY CONSERVATION PROJECT

Identification: Newspaper Recycling

Location: Dubuque, Iowa

Background: For approximately seven years the Environmental Coordinating Committee (and a predecessor agency) have sponsored a once-a-month collection of newspapers and corrugated cardboard. The program utilizes eleven collection centers, eight of which are located within the City of Dubuque. The other three centers are located in Cascade, Dyersville and Epworth, three smaller communities located in Dubuque County. There are also two centers operating in the State of Illinois.

Each of the centers is manned by members of recognized non-profit organizations including the Audubon Society, the Sierra Club and the Boy Scouts. Additionally, the Environmental Coordinating Committee maintains one of the collection points and utilizes the income derived therefrom for the support of a newsletter and informational workshops on energy related matters.

Dubuque Recycling Center, a Division of Ecology Control Corporation, a local commercial salvage firm, provides and collects the containers. The company reimburses the collecting agencies at the rate of one cent per pound. Collection of corrugated materials is not encouraged

due to lack of demand. The collected material is at present reshipped by the commercial firm to various manufacturers of insulation material.

For some time approximately 200 tons per month has been collected at the eleven permanent centers. There are on occasions, other centers which operate on a non-regular basis. The 200 tons nets the collecting agencies about \$2,000 per month. It appears that the amount collected represents about 20% of the estimated available supply of newspaper. The amount collected has been stabilized for some time.

Task: How to appreciably increase the amount of newspaper collected.

Program: Dubuque Recycling Center proposes to establish a production facility to manufacture insulation materials from the collected newspaper rather than ship the material out of the city. The two hundred tons currently collected represents a marginal supply for the proposed program, and it is anticipated that a larger source of newspaper would permit the Dubuque Recycling Center to operate more efficiently and to reimburse the nonprofit organizations at a greater rate than one cent per pound.

It is proposed that a public information program be packaged and implemented to increase community awareness of the need to collect newspaper for reprocessing purposes. Environmental Coordinating Committee, in conjunction with the commercial firm, will promote the program through the use of handbills, spot announcements and other public contacts.

Benefits:

1. Conservation of wood products normally used in the manufacturing of insulation materials.
2. Conservation of energy used to ship newspaper out of the city for reprocessing.
3. Increase job opportunities in the establishment of a new local industry.
4. Additional income to the Environmental Coordinating Committee to deepen their involvement in sponsoring seminars on a wide variety of energy conservation techniques and measures.
5. Increase income to nonprofit groups depending on private support for their ongoing programs.
6. Increase participation by other nonprofit groups in manning new collection points.
7. Greater awareness through participation by the general public in a major conservation undertaking.



APR 15 1977

21

Dear Mr. Comer,

With the increasing awareness of our country's energy problems, the Bagley Community Betterment Council desired to promote energy conservation. With the shortages of heating fuels last winter, we felt that we should encourage residents to insulate their homes and businesses. To help promote this effort and with the encouragement of funds offered by the Iowa Energy Policy Council, we have decided to insulate the roof of the Bagley Town Hall and the Bagley Library.

We have selected these projects because we feel that there will be a definite effect upon the community. Energy conservation must start on the local level. While the energy saved by these projects will be only a fraction of Bagley's energy consumption, it would set an example for others to follow. Already a number of individuals hearing of our plans have begun to inquire about the insulation of their homes as well.

Energy savings that would occur would free funds for other needs both for city services and library services. Of course, the savings are year round, too. Insulation makes summer air conditioning more efficient.

Insulation of the library also makes it more useful to the community. Its children's room is now too cold for use in the winter. Small groups like the Betterment Council also meet in the Library, thus saving the use of larger facilities. People are more apt to use the library if it is comfortable.

The Bagley Betterment Council has taken a number of bids for the insulation of the Town Hall and the Library. The bids were based on insulation of the sides of the library and adding 4 inches of insulation to existing insulation in the ceiling of the Town Hall.

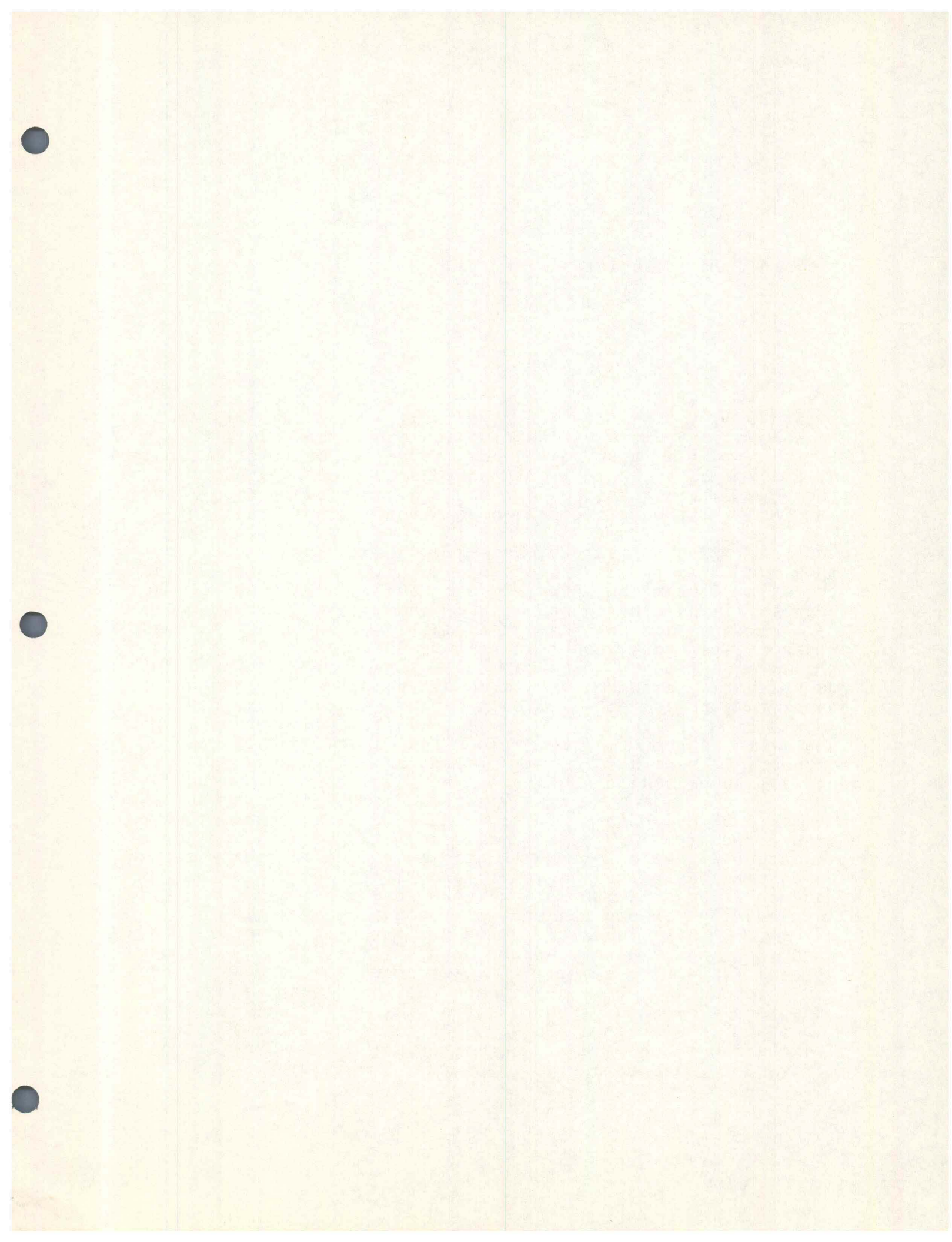
The best bid that could be obtained called for \$365. The Bagley City Council has pledged \$75 and the Betterment Council has pledged \$90 for the project. We would like to ask a grant from the Iowa Energy Council for the balance or \$200.

This project should not only set an example of energy conservation for our own residents but also for other cities and towns in our area.

Respectfully submitted,

Tom Cornelius

Tom Cornelius
Chairman, Bagley Betterment Council



The Paullina Times

Paullina, Iowa 51046

22 1
9 23

14 April, 1977

Mr. Paul Comer
Iowa Development Commission
Community Betterment Division
250 Jewett Bldg.
Des Moines, Iowa 50309

Dear Mr. Comer:

The Paullina Betterment Council and the City of Paullina have made the decision to conduct two energy conservation projects this summer.

Our first project will be of principal interest to our local city, as it is a municipality-resident project.

The second project is of area interest, as it deals with newspaper and magazine collection.

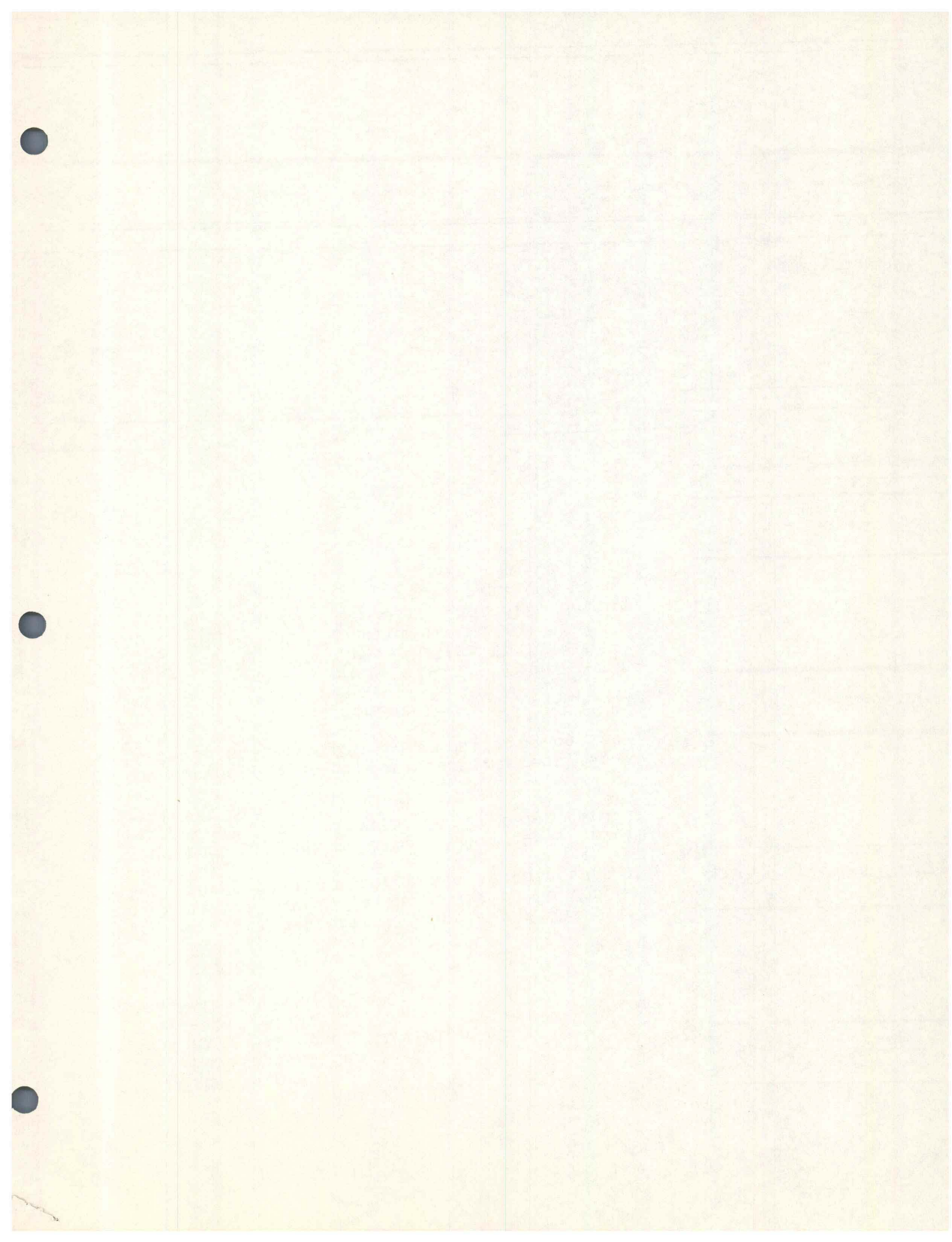
Sincerely,

Mrs. William Chaffee

Mrs. William Chaffee
Chairman
Paullina Community Betterment Committee

DC/jf

APR 15 1977



PROJECT NUMBER 1

Only through the cooperation of our energy-conscious officials and a municipally-owned power plant are we able to conduct our project for the reduction in the use of electricity and water.

We will ask all municipal power and water users to reduce their consumption of these products through a series of articles in our local newspaper. A number of hints for conserving energy will be published. This project will begin May 15 (our next city billing date) and continue for six months or until November 15. We hope that in the six-month period our residents will become so accustomed to conserving energy that it will be an automatic move to turn off lights, use less water, etc.

Our city administrator will total all power and water bills for this same period of time in 1976 and that figure will be used to determine who made the best effort (percentage-wise) in the energy conservation program.

To get our residents "turned on" to this project, we are offering cash prizes for the top three energy savers. Some of the grant money would be used for the prizes and a part of the grant money would be used for added bookkeeping costs to be incurred by the city.

This project, if carried out effectively, will greatly conserve our precious commodities....water and power. The reduction in the use of water will also save electricity in the pumping stations and ultimately in our city lagoon.

We feel everyone will save on their power and water bills and also through the city purchases of power. Our city purchases power from the federal government, so our local community as well as other communities will know the impact of this project.

PROJECT NUMBER 2.

Paullina has never had an organized paper drive, so the Paullina Community Betterment Council will conduct the drive here.

The City of Paullina will provide the building for the storage of newspapers and magazines. The Boy Scouts or another local organization will be asked to assist in the pick-up of papers for those persons unable to take the paper and magazines to the storage point.

Grant money and possibly local money would be used to secure a part-time employee to hold regular hours so residents might deliver their paper products to the storage shed on given days. We anticipate being open one day each week.

The newspapers and magazines would be sold for a re-cycling project.....most probably for insulation.

At the present time, many of our residents are burning their newspapers, which causes air pollution, or have them hauled to the Tri-county Landfill site. This would reduce the amount of trash carried to the landfill site and, of course, save the area for other trash which is not re-cylable.

This is a community-wide project in which our entire area could participate.

* ~~The Monroe County News~~ published every Monday by Albia Publishing Co.

* The Albia Union - Republican published every Thursday by Union - Republican Co.

The
Albia NEWSpapers

Printing - Publishing - Office Supplies & Equipment

111 Benton Ave. E., Albia, Iowa • Phone 932-7121

April 14, 1977

24 1/2 25

Iowa Development Commission,
Community Betterment
250 Jewett Building,
Des Moines, Iowa 50309

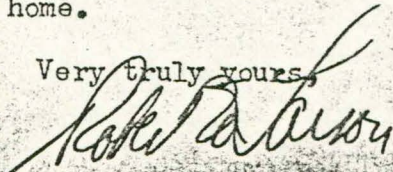
Gentlemen:

Enclosed are two copies of projects which the Al-Mon-Co Committee is proposing for consideration of a grant under the Iowa Energy Policy Council program.

Work on both of these projects has been started and will be continued. These will be two of the projects which the Al-Mon-Co Committee will submit in the current Community Betterment Contest.

But we view these as continuing projects for Albia and Monroe County. We hope that also as the results of the Energy Savings Home project are publicized that there may be an impact on home construction throughout Iowa with the consequent energy savings which we envision in this home.

Very truly yours,



Robert W. Larson, Chairman
Al-Mon-Co Committee

APR 15 1977

Energy Conservation

Iowa Community Betterment Division

Submitted by

Al-Mon-Co Committee

for Albia and Monroe County, Iowa

PROJECT NO. L--

24

The Al-Mon-Co Committee proposes to construct on a lot in Albia an Energy Saving Home similar to those constructed in Arkansas, Alabama, Connecticut and other states.

This home will be a demonstration home, putting into practice the various means of saving energy in planning, construction, and operation of a family home.

The home will be of conventional appearance but will utilize the revolutionary designs of the energy saving homes. It will be constructed for the Albia area and adapted to the number of degree days in Albia.

Cooperating in the planning, construction and evaluation stages of the project will be the Cooperative Extension Service, Iowa Southern Utilities Company, Albia Light and Railway Company, Chariton Valley Rural Electric Cooperative, Inc., and others with technical know-how and expertise. The Farmers Home Administration will be providing an inspector to supervise the construction and make certain all materials used are as specified and all construction is according to specified standards.

The Al-Mon-Co Committee is accumulating a library of publications and information about energy saving homes and various plans for such. These will be made available to interested persons and will provide resource material for the committee. It will be maintained as a source of information for interested home owners, construction firms, and suppliers.

The committee will utilize energy saving and cost saving techniques learned in previously built energy saving homes. Metered heating and cooling costs will provide information for comparison with minimum property standard homes, both as to savings in heating and cooling as well as savings in total energy.

The committee proposes to make a complete pictorial record of the home in its various phases of construction so that these pictures can be utilized by others in the construction of comparable homes.

The committee proposes to build the home, insofar as possible at a total cost comparable to that of a convention home.

It is planned to have a typical family live in the home for a period of a year following its completion. With the cooperation of such a family the energy usage would be fully metered and the results of the project

publicized. The family would agree also, insofar as possible, to open the home for public access at specified times so that other interested persons can see for themselves the construction and the results of the energy saving measures.

It is anticipated that financing for such construction can be arranged locally and that the Energy Saving Home can be sold at a slight profit following the temporary residency of one year.

A grant from the Community Betterment Committee would be used to augment the technical assistance required for such a home, including the metering devices to provide the complete and accurate information. It may also be used to provide funds for such reports as are deemed necessary in order that the project have the widest impact possible.

PROJECT NO. 2--

The Al-Mon-Co Committee proposes as its second energy saving project a Community Tree Program in cooperation with the Extension Service and along lines of a new multidiscipline program carried on by the CED in a pilot project. 25

This program will be a continuation of a prior tree planting program in the community, but the emphasis on this program will be on the providing of home protection from sun and wind and the consequent saving of BTU's in the heating and cooling processes.

This program will be developed with immediate short range plans for the planting itself but with long range plans involving the care of such planting in the years ahead.

This program is seen as of primary benefit in not only lessening the amount of energy used in the heating and cooling processes but also in lowering the demand peak caused by high energy demand for cooling devices during the summer months.

We would anticipate that this program would be complementary to that leading to the construction of an Energy Saving Home. The Community Tree Program is one which can have an immediate effect on homes in the city and in rural areas alike and the savings are then community-wide.

This project would be initiated immediately with the planning and educational processes developing in the fall of 1977 and with the bulk of the planting in the spring of 1978.

The committee will provide help for home owners so that the right species may be planted, so that the planting is done for its esthetic sense and so it can provide a maximum amount of protection for the particular home.

The committee plans to involve groups from the cities in Monroe County as well as from all rural areas in this program.



April 14, 1977
Hampton, Iowa

Iowa Development Commission
Community Betterment
250 Jewett Building
Des Moines, Iowa 50309

Gentlemen:

On behalf of the Hampton Community Betterment Committee I am applying for \$500.00 from the \$5,000 energy conservation grant available from the Iowa Development Commission. 26

As you may well be aware, the Hampton Committee Betterment programs have involved to a large extent our senior citizens and our youth. This is also the directions we plan to take with energy conservation. Our program will be two-fold:

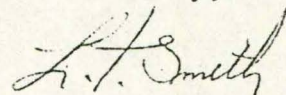
1. One half of the money we receive will be used to help educate our senior citizens living in large older homes on the need to insulate, weather strip and use storm doors and windows, and to educate these people as to the available funds for energy conservation at the local, state, and federal levels and how to apply for this help. The expenses incurred for this program would include: materials for programs, meetings or seminars, telephone and postage expenses, and wages to pay one or two senior citizens that would take an active part in this program for a few months.

2. One half of the money we receive will be used to produce an energy conservation program directed towards the education of our junior high and high school students by reviewing the existing practices of energy usage in tax supported buildings in Hampton and making recommendations by the students to the various government agencies in Hampton for increasing efficiencies in energy usage. The expenses incurred for this would be materials for class room studies, transportation expenses for touring buildings in Hampton and photography expenses. 27

Iowa Public Service Co, the utility company serving gas and electricity to Hampton, is presently involved in an extensive energy conservation program throughout their system and has agreed to assist the Hampton Community Betterment committee wherever possible if we embark on the above listed programs. Therefore, our committee feels if we receive funds for our energy conservation programs, they will most certainly be used for the purpose they are intended.

Thank you for your consideration.

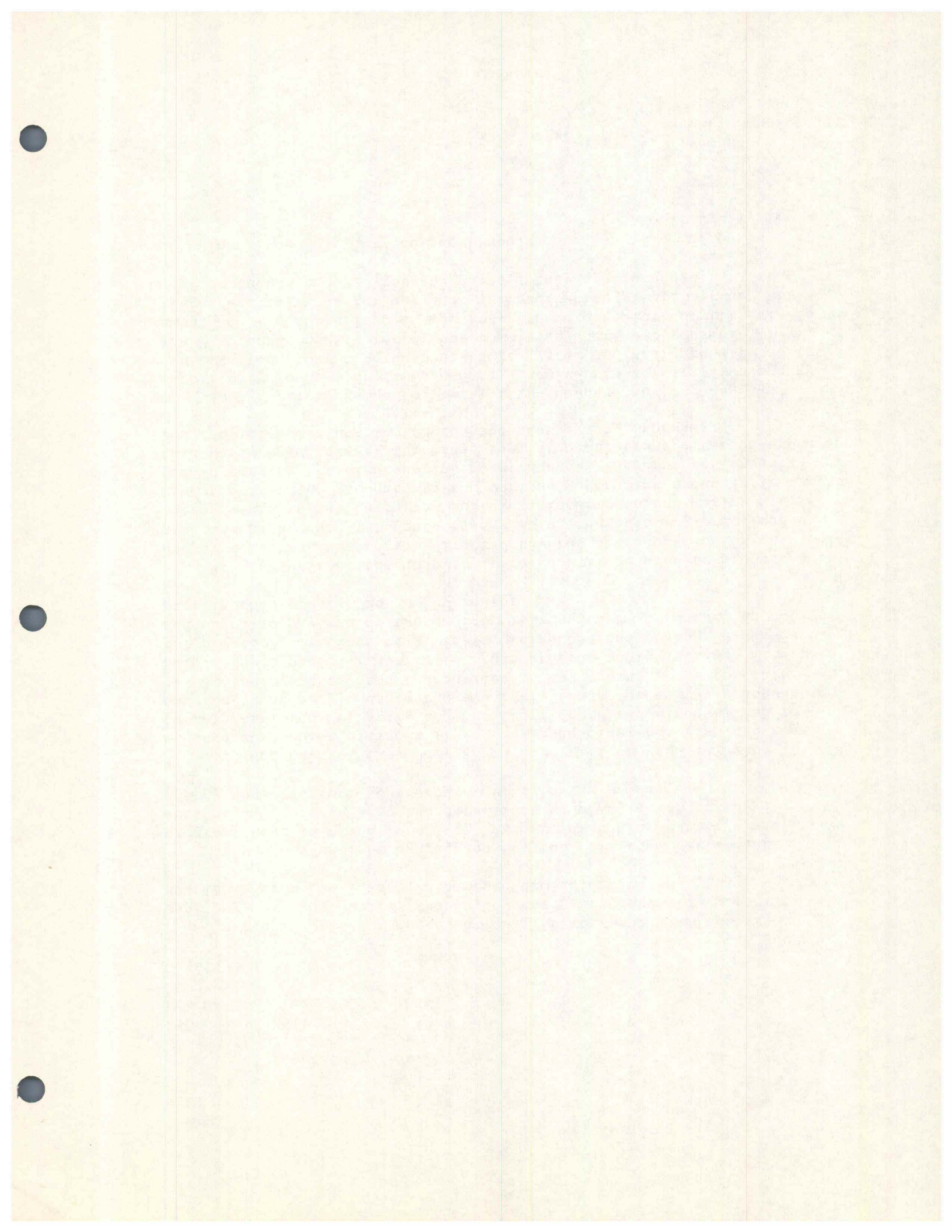
Yours truly,



L. T. Smith
Hampton Community Betterment
Committee member

APR 15 1977

APR 1 1977



P.O. Box 397
Fairfield, Ia. 52556
April 12, 1977

Paul Comer
Iowa Development Commission
250 Jewett Bldg.
Des Moines, Ia. 50319

28

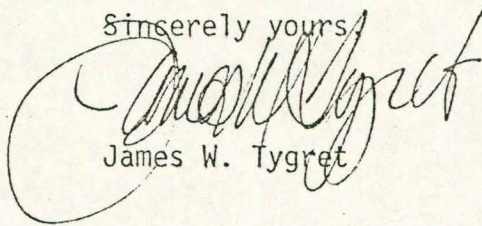
Dear Mr. Comer:

Please find enclosed my proposal for an energy conservation project. The proposal is intended to serve as application for the Iowa Energy Policy Council's ICB grant money.

I am forwarding a copy of this letter and proposal to the Fairfield Chamber of Commerce, a local ICB organization.

Thank you for your consideration.

Sincerely yours,



James W. Tygret

JWT:dt
Encl.

APR 15 1977

Design and Construction of Universal Solar Preheater - proposal
submitted to Iowa Development Commission/Iowa Energy Policy Council

General - Design and construct an inexpensive solar preheater for
use with conventional gas or electric hot water heaters.

Design - Flat collector plate attached to rigid metallic frame.
External piping and connections will be held to a minimum aiding
in unit's portability and overall universal application.

Material and component selections will be limited to
commonly available "off-the-shelf" items, in an attempt to keep
costs to a minimum and to encourage construction of similar units
by energy conscious homeowners.

Benefits - a. To offer affordable use of the sun's energy in the
daily heating of water

b. To cut back the fuel consumption normally required
to heat water

c. To expose greater numbers of the public to the uses
and potential of solar energy.

29¹ 30

Little Sioux, Iowa 51545
Phone (712) 649-2364

IOWA ENERGY POLICY COUNCIL
707 East Locust
Des Moines, Iowa 50319

Attn: Mr Paul Comer. Director I.C.B.

Dear Mr. Comer

Subject Town Description: Letter was received and reviewed on April 11.
Call was made to agency for permission to correct content of description,
Recommendation from committee and agency that a letter of correction be
attached to application.

The corrected information to W C D C is as follows: Business district is
comprised of a quick shop, service station, tavern and cafe in incorporate
limits and several businesses in an unincorporated area near the interstate,
The population of Little Sioux is not declining but has shown a small in-
crease.

The committee felt that the description of the business district in the
application painted a bleak picture, even though Little Sioux has few
businesses it is well accepted by it's rural farm community.

A letter of thanks will be sent to Mr. Guy Harris for his assistance in
preparation of this application.

Respectfully Yours,

Mrs. Roy Breeling
Contact Person
Little Sioux, Iowa

APR 15 1977



WEST CENTRAL DEVELOPMENT CORPORATION

MAIN OFFICE
520 MARKET ST., P.O. BOX 46

HARLAN, IOWA 51537
PHONE (712) 755-5135

29

April 7, 1977

Iowa Energy Policy Council
707 East Locust
Des Moines, Iowa 50319

Gentlemen:

West Central Development Corporation, the duly recognized Community Action Agency for the six county area of Crawford, Monona, Harrison, Shelby, Pottawattamie, and Montgomery counties do hereby make application to the Iowa Energy Policy Council for a grant related to an energy conservation project for the community of Little Sioux, Iowa, (located in Harrison County).

Current

Little Sioux has a population of 239 (as per 1970 census) and is located 1 mile east of Interstate 29. There are no businesses of any kind (not even a grocery store). They are served by a local Post Office. There are approximately 167 elderly, or 70% of their population, with the majority of the elderly receiving limited or fixed income. The school district has merged and no longer has a public school available. There is no tax base to support Community Betterment projects and with the high percentage of elderly, the community is rapidly declining.

Our agency has been requested by the town council to assist them in obtaining energy project grants which will be beneficial to their elderly. We feel the following project will qualify for the funds you have available, in the amount of \$500.00.

WCDC has on staff 3 associate Community Energy Engineers who will provide design of passive solar oil heaters (similar to that illustrated in Exhibit "A"). We will provide technical assistance and training in construction and installation of the solar units to the community volunteers. An Advisory group composed of local citizens will assist in the (1) selection of sites to receive the solar units, (2) securing volunteer labor to construct and install the units, (3) obtain donated materials wherever possible, and (4) monitoring the end effect of the solar heating units.



Grant funds awarded would be used to install 10 solar heating units at an average cost of \$50 each for purchased material for construction and installation. If donated materials would be above our estimates, it is possible that more units could be added.

PROPOSED BUDGET

Grant funds will be used for following:

Purchase of materials:

Lumber (1"x8"), nails, plywood, insulation,
acrylic facing, molding, caulking, weather
stripping, metal braces.
At \$50 per unit x 10 units \$500.00

Matching Supportive Funds:

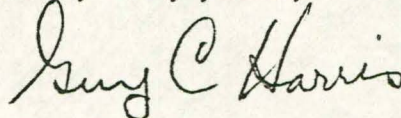
WCDC will supply technical assistance
at \$4.75/hr x 20 hrs. x 3 persons 285.00
Local volunteers at 4 hrs. per unit
x 10 units x \$2.30 per hr. 92.00
Estimated donated materials 100.00
Fiscal accounting for project by WCDC
fiscal department at \$4.00 per hr x 10 hrs. 40.00

Total local share \$517.00

Tools to be used will be supplied either by West Central Development Corporation or local volunteers.

Your earliest possible response on this grant application will be appreciated.

Very truly yours,



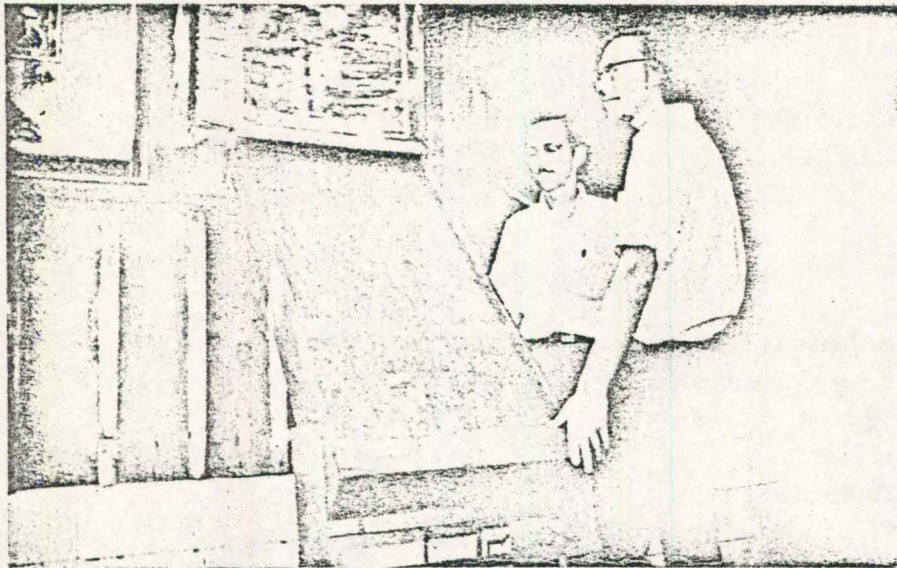
Guy C. Harris
Energy Coordinator

GH:mp

ADVENTURES IN ALTERNATE ENERGY

A monthly sampling of projects PS readers have devised to conserve or replace fossil fuels

Bill Rankins and David Wilson, Solar window



Collector attaches to existing sill; it's supported by specially built frame—or by roof below upstairs window. View from window (photo, upper right) is not appreciably impaired. You can even adapt the device for a storm window.

By EDWARD MORAN

This month's energy project is a natural for the do-it-yourselfer who would prefer to experiment with a basic solar device before tackling some of the complete systems featured here in previous months.

A solar window requires neither an ERDA contract nor a master plumber. It is easily assembled on a Saturday afternoon, and is an ideal heating supplement for locations that don't permit a permanent array of rooftop collectors—apartment houses, for example.

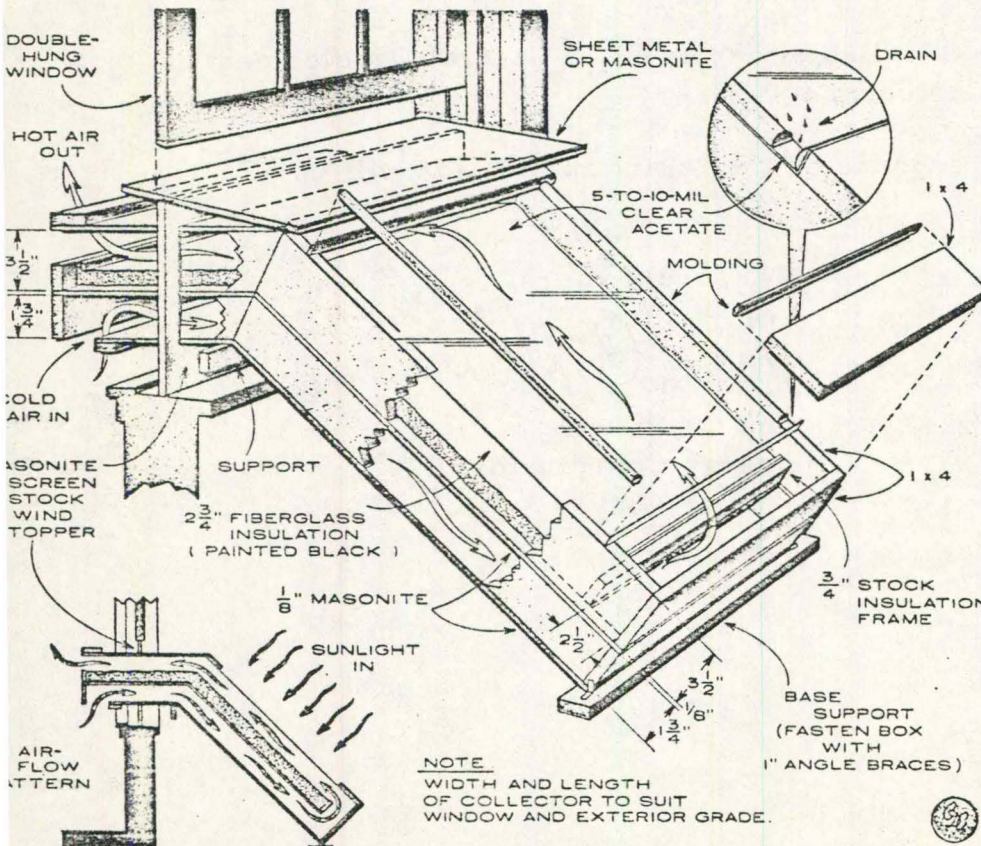
There's no provision for heat storage, so the window is useful only as a daytime supplement, but outlet temperatures on sunny days average between 100 and 120°, report Bill Rankins and David Wilson. Air is circulated through the unit by natural convection, although blower, thermostat, or automatic dampers could be added.

The air-flow diagram (lower left) shows how cool air is heated in the insulated "tongue" of the collector, then rises through the lip into the house. The collector automatically pulls in colder air to replace it. "If you use a fan to force-feed the air through the collector," says Wilson, "you will move a greater quantity of air, but will have a lower temperature provided by the heating process."

Site planning

As with any collector, the solar window must be oriented to take full advantage of the sun. The window that receives the most sunshine most of the time is the obvious candidate, but because of the "portability" of the solar window, you could install several of them, to capture more sunlight. Furthermore, by adjusting the base support, you could adapt the collector to seasonal angles of solar inci-

Continued



[Continued]

dence without too much difficulty. The unit can be anchored to the ground, installed in a second-story window over a porch roof, or attached to a shelf, as a window air conditioner would be.

Assembly details

Actual dimensions will vary, of course, depending on each window sash, but the thickness of insulation and glazing given here has worked well for Rankins and Wilson. Before you start to assemble the collector, paint all wood parts (both sides) with two coats of outdoor paint or spar varnish. Make a "box" first, by cutting 1x4's at a 67½° angle and making a "hockey stick" by attaching the two pieces with a sheet-metal strip. Add the top lip and nail on the bottom hardboard sheet, plus the end piece.

Make another assembly just like the first; when the two are piggy-backed and fastened together, the two air-circulation channels will be created (see diagram). In effect, this puts the heat-absorbing surface on a 1/8" hardboard sheet that is fixed 1¾" over the hardboard bottom (creating the lower cold-air channel). Rankins and Wilson use a 23"-wide section of 2¾" fiberglass insulation batt, with its kraft-paper backing painted black. They secured this batt at each end with screen mold and ¾" nails. If you have an unfaced batt, you can cover the fiberglass with a thin sheet of metal and paint that black.

Complete the assembly as shown in the drawing. Seal edges between the hardboard and the screen stock

with duct tape on the outside. Glass could be used as a cover material, but Rankins and Wilson decided to use five- to 10-mil acetate since it was less expensive and easier to work with. They pulled it tight and tacked it down under the screen mold with ¾" nails, then trimmed off excess. For a tight rain seal, they advise varnishing the wood before nailing, and caulking afterwards. Moisture in the collector will be evaporated by the sun, and will pass into your house as excess humidity.

An added bonus: When the wind blows, the plastic cover ripples slightly, creating a "natural pump" to move the air through the collector, says Wilson.

Installing the collector

When you install the collector in the window, the hot-air outlet to the room *must* be either horizontal or pitched upwards for proper air flow. Add a rain cover, and seal any leaks between collector and frame with duct tape and insulation. To prevent reverse convection at night or on cloudy days, make two snug-fitting wood doors, to plug up the intake and outlet. If you are mounting the collector on a roof beneath a window, bolt it with angle braces; any hole can be quickly repatched with tar if the collector is moved elsewhere.

Variations are possible. For example, Wilson suggests using an elongated version of the collector to link a basement window with a ground-floor window.

Rankins and Wilson have written and published two books on do-it-yourself solar projects, complete with many illustrations and dimensioned diagrams. For a price list, or to ask a specific question about the solar window, send a stamped return envelope to them c/o Lorien House, P.O. Box 1112, Black Mountain, N.C. 28711. □

Will New York
April 13

Dear Mr. Conner
Thank you for your encouraging
and telephone conversation concerning
color projects.

Because of the smallness of
our town, and its location, making
interstate, color projects will
be easy to view. A community
project is planned by all and response
kept will help other communities.

Another project I thought was
a good idea (this was mentioned
at our meeting) (Order houses mainly
for abstracted picture) The study
or technical assistance could be
obtained by an agency, this idea,
if the cost would be kept down,
would be very important in helping
feel communication down. This
could be very helpful to people
on local, national, or world
level. This idea is, when over it,
might be interesting to others.
Thank you for your encouraging
and telephone conversation concerning
color projects.

Little Sioux, Iowa 51545
Phone (712) 649-2364

IOWA ENERGY POLICY COUNCIL
707 East Locust
Des Moines, Iowa 50319

c/ Mr. Paul Comer.

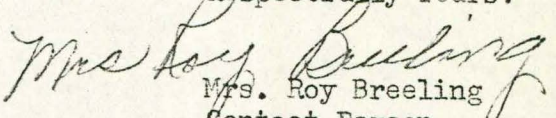
Subject: Pilot Project for Community Solar Heated Greenhouse.

This is still in the planning stages to be built in early 1978. This will involve the use of an abandoned school basement as a heat collector. The basement is located next to a large community building. The greenhouse will be placed over the basement and the collector will be used to heat not only the greenhouse but the community building as well.

W C D C will provide the community with technical assistance. A cost estimate for the collector was established at approximately \$ 5,000.00 using materials locally available. It would be constructed using private funds with produce being sold to pay back cost of construction.

Local residents with experience in this type operation include a retired Greenhouse operator, Florist and an official weather record keeper.

Respectfully Yours:



Mrs. Roy Breeling
Contact Person
Little Sioux, Iowa

*copy of letter application
for greenhouse project.*

Little Sioux, Iowa
April 13, 1977

West Central Development Corporation
520 Market Street
Harlan, Iowa 51537

c/ mr. De Arce

Dear Executive Board Members:

Subject: Pilot Project Solar Heated Greenhouse.

We feel the people of Little Sioux would be enthusiastic about the Greenhouse Project.

1. Little Sioux is noted for it's fine soil and almost without exception, every family has it's own garden plot.
2. We have town property and some material to devote to this use. we could count on some volunteer labor.
3. Our town is located near Interstate 29 and we are planning and hoping for much needed business to locate in this area.
4. With a successful Greenhouse Project we could give assistance to a farmers market promotion. perhaps for low-income and senior citizens groups.
5. And in this connection we might have a florist shop, cannery, health food store serving not only residents of the community but tourists as well.

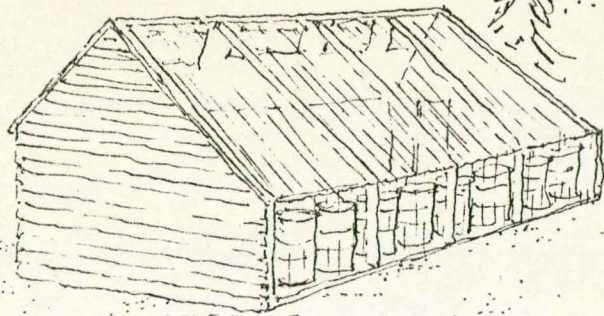
Anything you can do to help us with the Greenhouse Project will be very much appreciated.

Rex Flint

Mayor of Little Sioux

Clerk of Little Sioux.

SOLAR RELIANT GREEN HOUSE



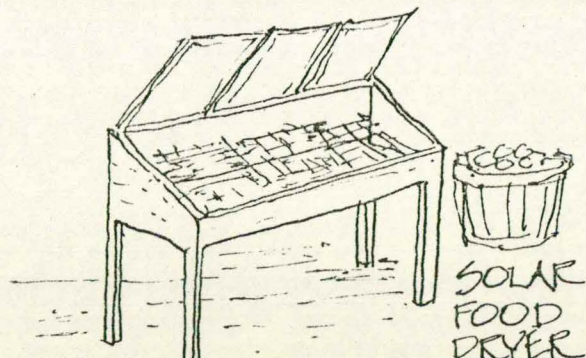
In addition to workshops that the Domestic Technology Institute conducts in the Evergreen area, DTI will also conduct workshops out-of-town or "on site." Listed below is the rate schedule for workshops that are not conducted in the Evergreen area.

SHORT PRESENTATIONS

These presentations are limited from one to three hours. One staff member conducts these presentations. The minimum price is \$50 for one hour, to \$100 for three hours.*

ONE DAY ALTERNATIVE ENERGY WORKSHOP

This workshop covers the basic technology of low-cost solar energy systems. Systems discussed are the solar hot water heater, food dryer, the passive and forced air heaters, and the solar reliant greenhouse. A minimum of two DTI staff members conduct this workshop for a fee of \$400.*



FOUR DAY COMMUNITY ENERGY ENGINEER INTERNSHIP

This is an intensive four day workshop that covers not only basic low cost solar energy technology, but participants also have the opportunity to build the solar hot water heater, food dryer, solar reliant greenhouse, and air heaters. Community applications and the economic development aspects of these systems are also discussed. A minimum of four DTI staff members conduct this workshop for a fee of \$3,000.*

Materials and tools for building all projects are to be provided by the sponsoring agency. A DTI staff member is made available prior to the workshop to assist with this process.

SEVEN DAY COMMUNITY ENERGY ENGINEER INTERNSHIP

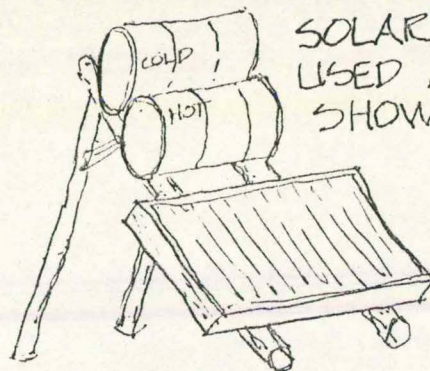
This workshop covers the same subjects as the four day Community Energy Engineer Internship in more detail. A minimum of four DTI staff members conduct the workshop for a fee of \$4,500.*

Materials and tools for building all projects are to be provided by the sponsoring agency. A DTI staff member is made available prior to the workshop to assist with this process.

*Mr. Coyner
Would you please
return this to me.*

* Travel and per diem must also be paid by the sponsoring agency. The rates for travel are fifteen (\$.15¢) cents per mile, or the cost of air fare, round trip from Denver. Per diem is \$30 per day, per staff member.

If text materials are to be provided, \$5.00 will be charged for each participant.



SOLAR WATER HEATER
USED AS FIELD
SHOWER

GENERAL INFORMATION

If an agency is interested in sponsoring the Domestic Technology Institute for a workshop, a letter of contract must be written and agreed upon by both parties. Half of the total cost of the workshop must be forwarded to the Institute to confirm the contract.

It is helpful if workshops can be scheduled two (2) months in advance.

Workshops can be designed to fit the special needs of each sponsoring agency according to the unique characteristics of climate and culture.

If you are interested in sponsoring the Domestic Technology Institute for a workshop, please write or call the Domestic Technology Institute:

DOMESTIC TECHNOLOGY INSTITUTE
P. O. BOX 2043
EVERGREEN, COLORADO 80439
(303) 674-6826

This "on-site" workshop program is offered on a service contract basis only. Please contact DTI for individual consulting contracts.

To Community
Betterment
EP

31

Eleanor Padley
332 A Ave.
Atkins, Iowa 52206

April 14, 1977

Iowa Development Commission
Energy Conservation Comm.
250 Jewett Bldg.
Des Moines, Iowa 50309

Dear Sirs:

Last year one of our projects for the Community Betterment Program was on "Energy Conservation". This was conducted as an informational and educational program, with some participation from the local grade school. In the public school, grades 2 through 6 were involved in a poster contest and cash prizes were given. It was very evident that the pupils did not have a very good idea of energy conservation.

Therefore, I believe that an organized Energy Conservation Program should exist in every school system. This could be carried out by means of speakers, essays, posters, contests, energy projects, energy and safety check lists for each home, recycling projects, films, and books and pamphlets on energy conservation.

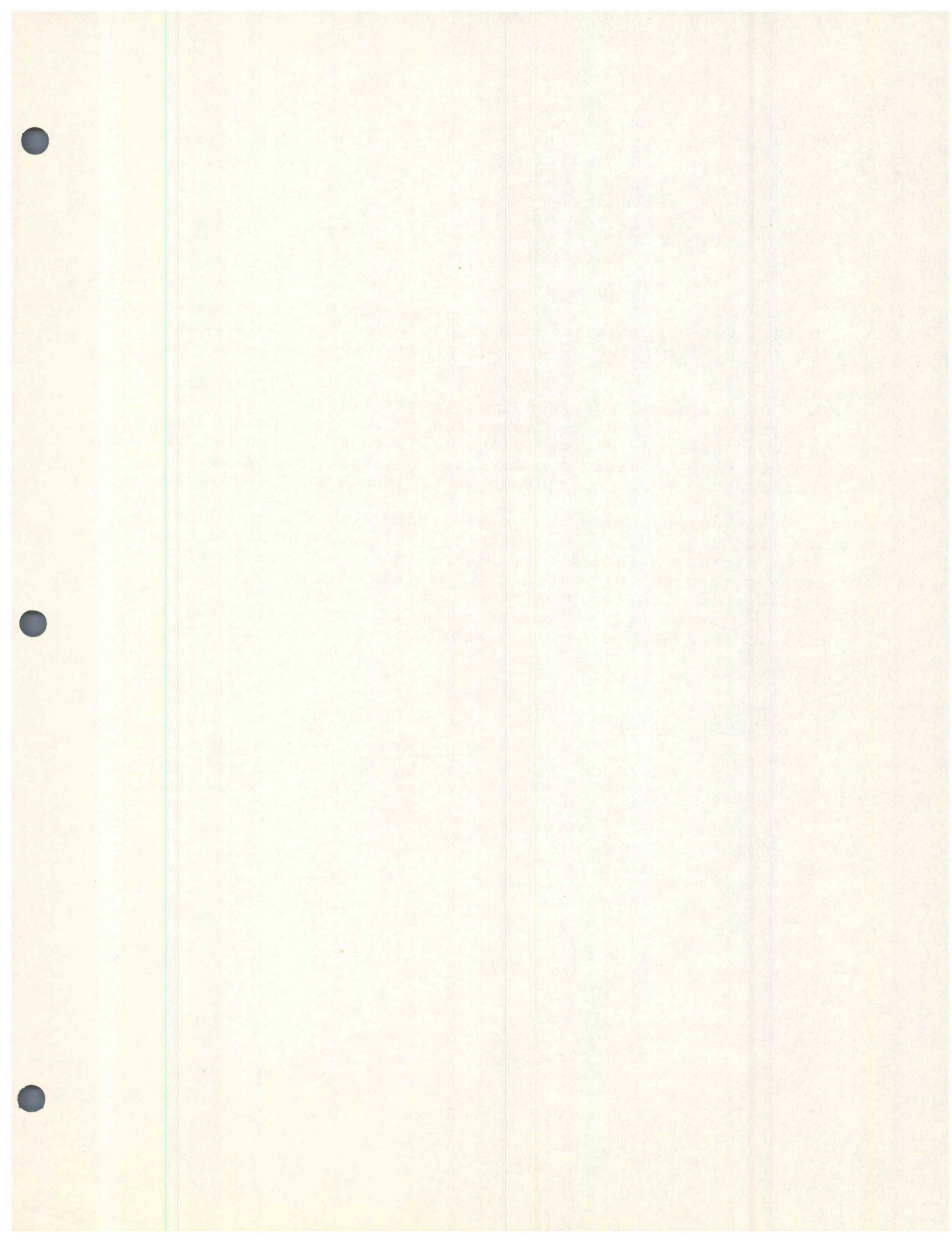
Our proposed project would include an outline of available speakers, films, books and pamphlets, etc. for the Benton Community School System.

Sincerely,

Eleanor Padley
Eleanor Padley

EP/jdb

APR 15 1977



Town of Van Horne

VAN HORNE, IOWA 52346

April 14, 1977

Mr. Paul Comer
Director I.C.B.
Iowa Development Commission
250 Jewett Building
Des Moines, Iowa 50309

Dear Sir:

The Van Horne Betterment Council would like to apply for an energy conservation grant. We have at this time two projects;

Number 1. The Van Horne Lions Club is contributing \$500.00 on a hardwood shade tree project. The Lions Club and home owners will share the cost of the tree with local organizations doing the labor of planting. The trees are 6' - 8' balled hardwoods and cost \$25.00. We are planting forty trees this spring and feel we need to plant one hundred more. With \$250.00 from the Iowa Energy Policy Council plus home owners match we could plant another twenty trees this year. We feel trees are energy saving by providing shade in summer and windbreak in winter and beauty all year. All home owners will be furnished a guide for the care of the tree and agree to replace the tree at his cost if the tree should die. We also feel shade will save much on paint and siding repair. 32

Number 2. I have contacted Mr. David Hammond at Cedar Rapids and he is contacting Ann Harrison at Vinton, both with Iowa State University Extension Service. We are going to cooperate with them on an energy saving inventory at Van Horne. Together we will develop an energy check sheet for homes, businesses, and public buildings. Mr. Gerald Allen, Criteria Architects, Minneapolis, mentioned at a conference at Kirkwood Community College that he had developed energy inventory check sheets. We will contact him as well as others who have developed such materials. We plan to inventory energy use in all businesses and public buildings plus a sample of homes. Other home owners will be encouraged to do a 33

APR 15 1977

page two

self inventory. The cost of contacting Mr. Allen and others, developing inventory check sheets, printing, hiring some part time people to do the inventory and compiling the results is estimated to cost \$240.00. The results of this are unknown but will depend on the results of the inventory and where energy can be saved in Van Horne. After we see the results we will plan our next project.

The total request for these two energy conservation projects is \$490.00. \$250.00 for a share of the shade trees and \$240.00 for the energy inventory. We hope you will approve these projects which will help make Van Horne a better community.

Sincerely,

Calvin Rinderknecht

Calvin Rinderknecht
Van Horne Betterment Chairman

CR/jr

34

April 15, 1977

Iowa Energy Policy Council
707 East Locust
Des Moines, Iowa

RE: Energy Conservation Project

Dear Mr. Comer:

We have received your news release concerning an Energy Conservation project. We are very pleased to submit our projects on the following pages. We have put some thought in it and feel that energy conservation is a never ending task and community involvement is a must to carry out a policy of this nature.

We hope these projects will find favor with the I.E.P.C. and wish to thank them for such a program.

Thank you for your interest.

Respectfully,

Cal Cleveringa

Cal Cleveringa
Hospers Community Chamber

APR 15 1977

1. Grants of \$50 will be made to 5 top applications each year until funds are depleted.
2. Chamber will match the amount received from the I.E.P.C. to create a larger fund.
3. Labor will be supplied by the Chamber members.
4. Projects included will ^{be} by insulation, weather stripping, cleaning and setting of heating units.
5. Given to families with salary under \$10,000 (this to be reviewed every year).
6. Community Chamber Committee will assist in servicing of the fund and applications.

We feel that there will be an adequate number of applications or possible homes that need insulation. We would be doing 5 homes a year until funds are exhausted. This we feel will be a project for at least 2-4 years, as we see the need for the never ending need for energy conservation.

Project # 2

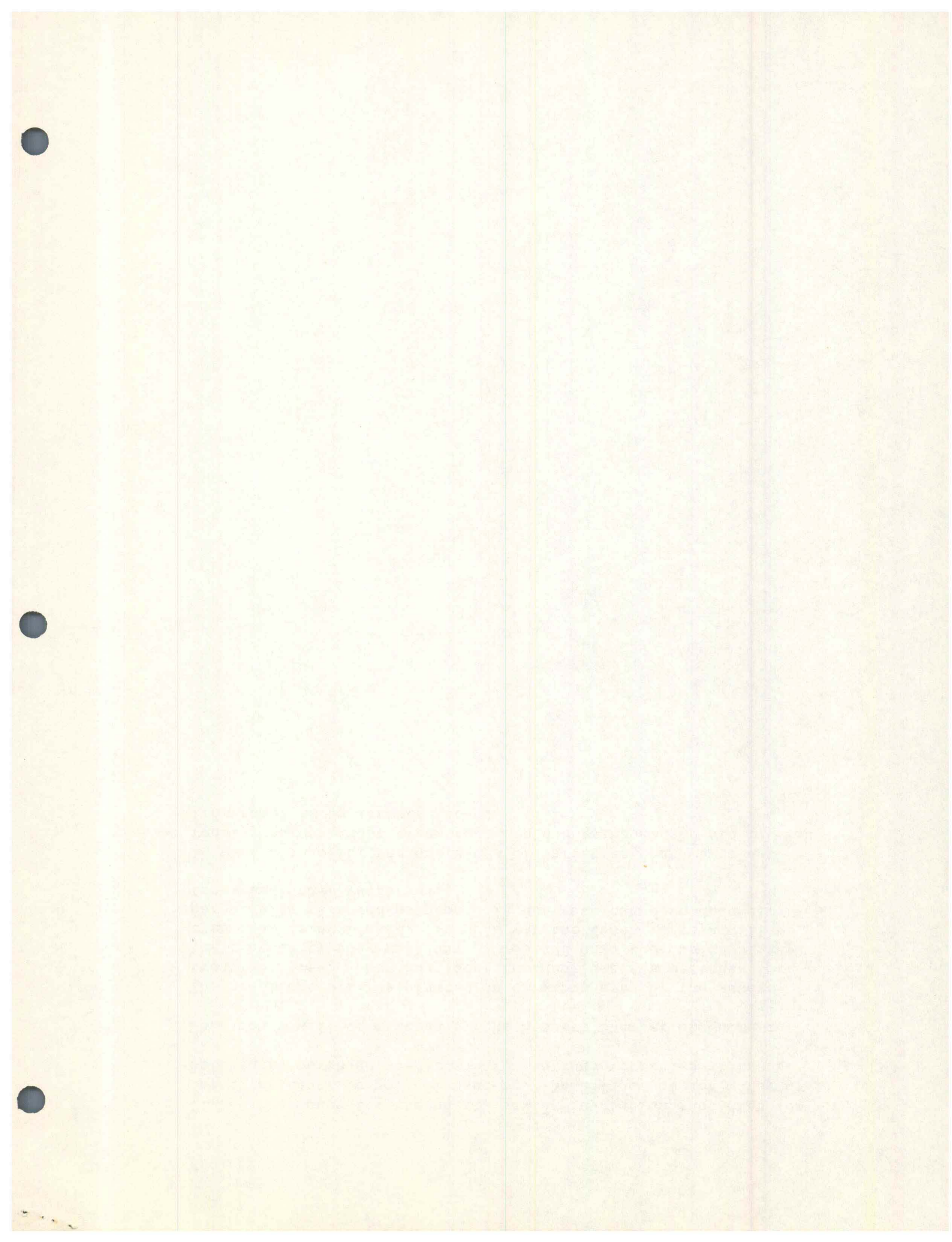
(PART OF #34)

If all the money for the energy saving insulation subsidies for local residents is not all used up, the balance of the money will be used to purchase seedlings from various varieties of trees.

This money will be matched by the Hospers Chamber of Commerce.

The seedlings will be planted on city property by the sewage treatment area. When any local resident needs some trees for their property they will pay \$10.00 and have the choice of any tree that is available. In this way the trees in town will be perpetually restored as people in our town cut down dead elm trees and other varieties.

It will also offer various kinds of varieties that we do not readily enjoy. Most trees that are now transplanted are taken from some nearby farmers grove.





BICENTENNIAL COMMITTEE

CITY OF DAVENPORT

DAVENPORT, IOWA

KEN JOHNSTON, CHAIRMAN



RECOGNIZED BY
AMERICAN REVOLUTION
BICENTENNIAL
COMMISSION

April 6, 1977

Iowa Development Commission
Community Betterment Division
250 Jewett Building
Des Moines, IA 50301

Gentlemen:

The historic Antoine Le Claire Home in Davenport, purchased at the initiative of a citizen group, turned over to the city as the focal-point for neighborhood redevelopment, and certified by the National Park Service's Historic Register, is in the early stages of an extensive restoration effort. The restoration work represents a major cost of perhaps \$100,000, most of which must be sought through direct and in-kind donations. Tremendous local interest has been aroused for the project, and many volunteers and donors are expected to help implement the work.

Part of the restoration will involve major energy related expenditures: (1) Radiant carbon heat panels and thermostat will make each room a climate control system, while eliminating duct work, furnace, and fan - \$5,000 plus wiring (110 VAC); (2) Thermopane windows (662 sq. ft., room temperature of 68-70°, \$185/season savings with thermopane, today's fuel prices) - \$9,000; (3) Attic insulation (walls are 18 inch brick) of six inch refrigeration cork will provide high R value, excellent fire retardation, and retain original appearance in attic - \$500. Total energy expenditures = \$14,500+.

It makes energy sense to promote the redevelopment of older neighborhoods and residences. Resalvaging older structures saves the man-hours and materials which would have to be put into new buildings and utilities on the urban fringe, from where it is more costly to commute downtown.

The Heritage Committee requests \$500 from the Energy Policy Council for use on the energy aspects of the project. A commemorative plaque acknowledging the gift, the importance of energy conservation, and the specific conservation measures used, will be prominently displayed in the House, which will become a museum

APR 15 1977

Iowa Development Commission
April 6, 1977
Page 2

and public meeting place among other things, as well as an important part of Iowa's billion dollar tourist industry.

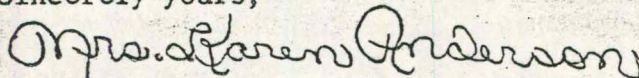
Also, the experience gained by the Heritage Committee, the City of Davenport Community Development Department and Office of Housing and Redevelopment, the Scott County Historical Society, and the Village of East Davenport Association, can be applied to other restorations, residences, and businesses in the older sections of town. The Village of East Davenport, which has been nominated as a National Historic District, is currently the subject of a preservation study including guidelines for building improvement and recommendations on materials for energy conservation. The Le Claire House can become a model for energy retrofitting in the Quad Cities.

Finally, activities associated with the Le Claire House and the Village have received extensive local press coverage. Special efforts will be made to publicize this energy conservation project in the future.

Mr. Thomas Anderson, Residential/Commercial Sales Services Representative, and Mr. John Wetzel, Area Development Coordinator for Iowa-Illinois Gas and Electric Company, have endorsed the feasibility of our project design for the Le Claire House, and have expressed interest in the possibility of monitoring the project in the future. In addition, the Heritage Committee has been encouraged to explore other forms of assistance from Iowa-Illinois.

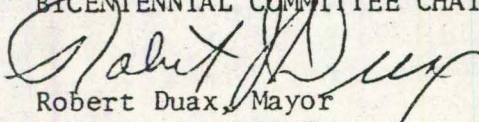
Thank you.

Sincerely yours,

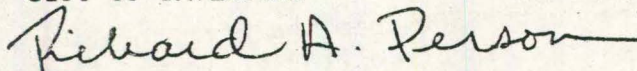


Mrs. Karen Anderson, Chairman
HERITAGE COMMITTEE

Ken Johnston, Alderman
BICENTENNIAL COMMITTEE CHAIRMAN



Robert Duax, Mayor
CITY OF DAVENPORT



Richard A. Person, Area Community
and Resource Development Specialist
IOWA STATE UNIVERSITY EXTENSION SERVICE

ajm

City of Titonka

(36)

Titonka, Iowa 50480

WALTER BAADE, Mayor

April 13, 1977

COUNCILMEN
Edw. Boyken
Harvey Heyer
Philip Jaren
Gene Krominga
George Schuster

OPERATIONAL STAFF

Myrtle G. Alke
Clerk
Thresa Baade
Treasurer
Terry L. Smith
Police Chief, Water Supt.
and Street Comm.
Loren D. Hansen
Police
Richard Isebrand
Fire Chief
Dr. J. K. Hill
Health Officer
Kathryn Sexton
Librarian
Rolland Fox
Ambulance Adm.

**PLANNING AND
ZONING COMMISSION**
Harold Galtner
Rev. Paul Hansen
Charles Beed
Carl Ludwig
Frank D. Fisher
Dick Gerdis
John Welhousen

Building Inspector
Richard Isebrand

Library Board
Clarine Boyken, chm.
Jerry Harms, sec.
Mary Budlong
Ethel E. Downs
Dolores Fox
Jeriene Sleper

Volunteer Firemen
Richard Isebrand
Eldon Attig
Donald Gerdis
Gary Sieper
Carl Ludwig
Russell Krominga
Charles Beed
Harvey Heyer
Rolland Fox
Wilbur Sexton
Clarence Akkerman
Walter Baade
Kenneth Huisman
Roger Huisinga
Dick Gerdis
Earl Knudson
Henry L. Mayland

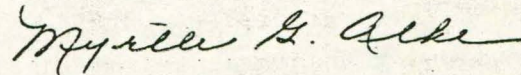
Iowa Development Commission
Community Betterment
250 Jewett Building
Des Moines, Iowa 50309

Dear Sirs;

Enclosed is a copy of the proposals and plans
for further development of our Gruis Park.

Yours truly,

City of Titonka



Myrtle G. Alke
City Clerk

Enc.

APR 15 1977

DEVELOPMENT OF GRUIS PARK
TITONKA, IOWA

The Community of Titonka is working this year for further developing of Gruis Park.

In 1976 the shelterhouse had been completed and was used by the people of the community and many visitors. In July a community picnic was held and was well attended.

In 1976 nearly every Sunday and some week days the shelterhouse was reserved for picnics and family gatherings.

The playground equipment was used by the children until arrival of the cold weather and winter storage was necessary.

The trees planted in 1976 were thriving last fall and with adequate moisture will show growth this year.

A committee picked from the larger planning committee spent many hours preparing plans for the two tennis courts. An application through the assistance of NIACOG was submitted to the State Conservation Commission for a federal grant. This application was approved.

Plans are being made to prepare the area for the actual construction of the tennis courts. The community is looking forward to the time when the tennis courts are a reality.

In the future plans assistance is needed in designing and developing the camping area including building a road, installing electrical hookups and constructing restroom facilities.

The residents are interested in the development of the recreational area for the benefit of those living in the community and for all people who are traveling and stop in Titonka. The progress that has been made is due to the united efforts of all the citizens of the Titonka Community.



Woodbury County Community Action Agency

37

1015 Eighth Street

Sioux City, Iowa 51101 • (712) 277-8416

The Woodbury County Community Action Agency requests \$500 from the Iowa Energy Policy Council for a Solar Energy Education Demonstration Program. Two solar collector units will be built and installed in public facilities in Sioux City. The units will be used as community models in a concerted community solar energy awareness effort.

The Woodbury County Community Action Agency is a private, non-profit human service organization serving the low-income and elderly of Woodbury County. The Agency is governed by an 18-member Board, representing city and county governments, the low-income target areas, various community groups and concerned individuals.

The solar collector prototype (attachment #1) was developed by the Domestic Technology Institute of Evergreen, Colorado, which is funded by the Community Services Administration. A solar collector when installed in a home as supplemental heating realizes 25%-30% reduction in month energy consumption. Each unit costs approximately \$250 to build.

The units will be constructed on two selected public facilities in Sioux City -- libraries, fire stations or meeting halls. The building will be accomplished as a teaching exercise by volunteer community labor with the assistance of the WCCAA Housing & Energy Conservation staff. The use of a public facility will allow a greater accessibility and a broader involvement of the community in the construction and use of the collector than a private home installation with the stigma and limitations therein.

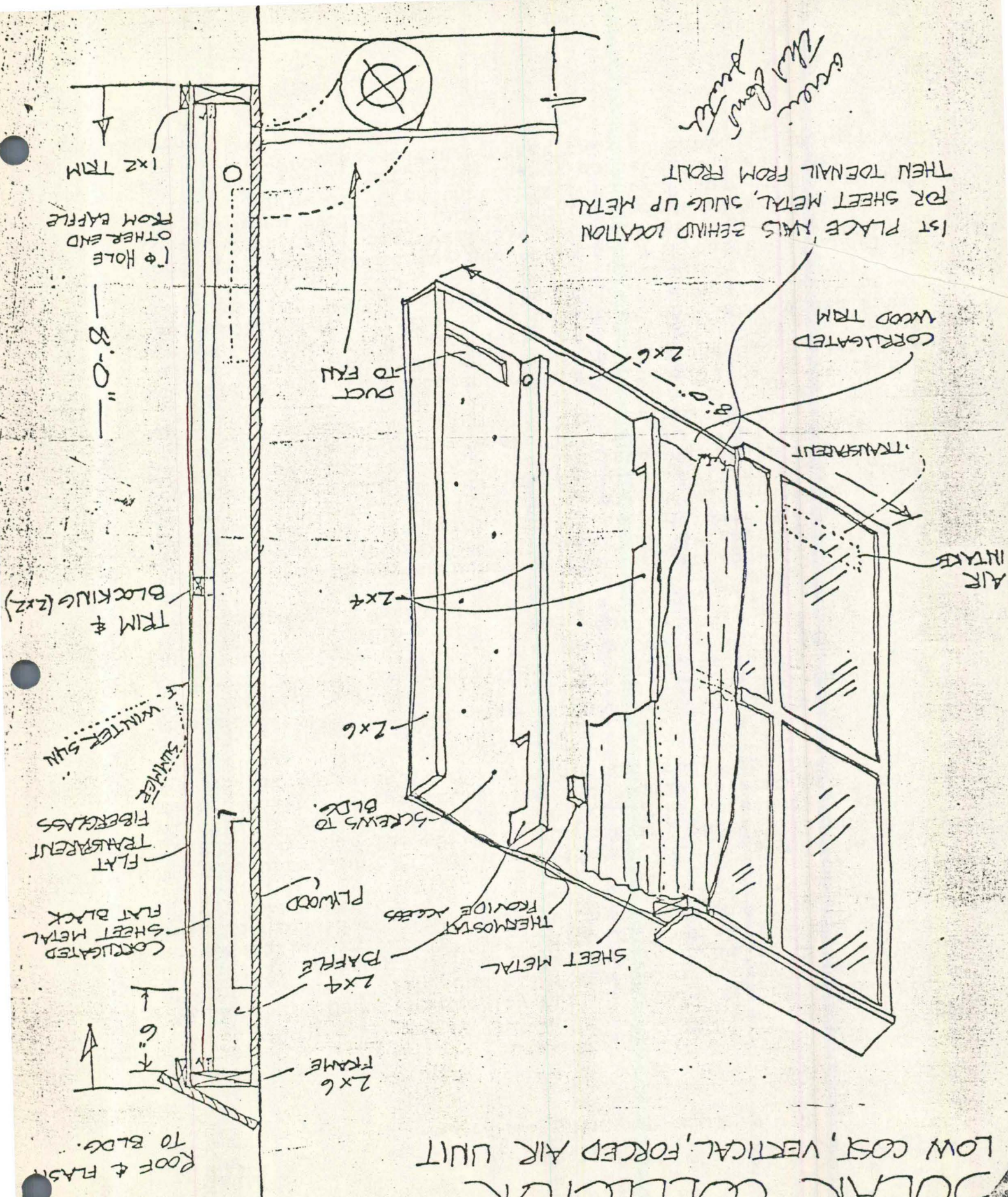
The production and placement of the units will be accomplished as a community education program involving the Sioux City School System, Chamber of Commerce, churches, labor unions and the citizens of Sioux City. The local broadcast and print media have indicated interest in giving the project extensive media coverage.

Woodbury County Community Action Agency has built one model unit to date and has funds available to build and install a total of ten solar units in low-income and low-income elderly housing. It is the feeling of WCCAA that this form of "appropriate technology" is a truly viable method of energy conservation and worthy of the community-wide awareness that this educational project would bring.

Rec'd APR 18 1977
APR 15 1977

SOLAR COLLECTOR

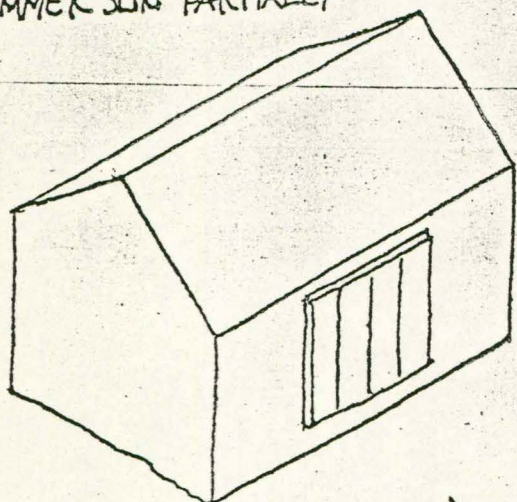
LOW COST, VERTICAL, FORCED AIR UNIT



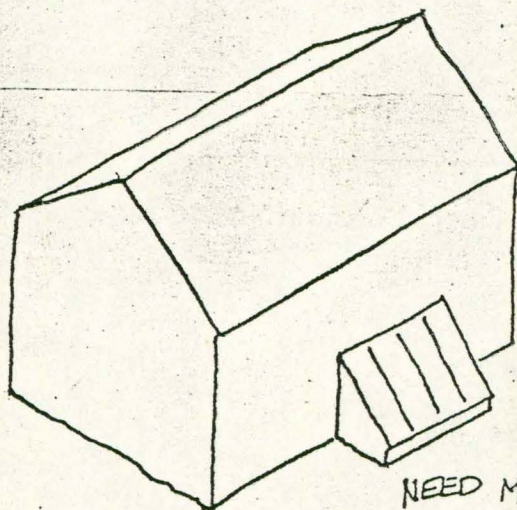
LOW COST SOLAR COLLECTOR, MATERIALS LIST

- #
- 4 8FT 2x6's [CUT TO 7'-9", 2 TO 8'-0"]
- 3 8FT 2x4's [CUT TO 7'-9"]
- 2 SHEETS 4x8 1/2 PLYWOOD,
- 2 SHEETS 4x8 CELOTEX INSULATION BEHIND PLY. (OPTIONAL)
- 2 4x8 SHEETS CORRUGATED SHEET METAL (OUT SIDE, FLAT BLACK w/ IRON PIGMENT PAINT) .2 QT. BLACK
- 24FT 2"x2" WOOD TRIM
- 90FT 1"x2" WOOD TRIM
- ROOFING NAILS, GALV. 1", 1 LB.
- SCREWS TO ATTACH UNIT TO HOUSE
- 1 QT WHITE EXT. GD. PAINT
- 1 LB 16cc NAILS, 2 LBS 8cc NAILS
- 3 TUBES CAULK, ALL JOINTS SEALED AIRTIGHT
- 1 TUBE PL. 400 ADHESIVE
- 1 THERMOSTAT - LINE VOLT, 15° DIFF. (DAYTON ZE340)
- 1 SHADED FOLE BLOWER 525 CFM 115V (DAYTON 4C445)
- 2 4x8 SHEETS FLAT, TRANSPARENT FIBERGLASS
- FLASH TOP OF COLLECTOR TO BLDG. IF NEEDED
- INSTALL HAND OPERATED VENTS TO OUTSIDE THRU SIDE 2x6's —

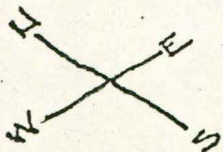
GAINS WINTER SUN BUT REFLECTS UNWANTED SUMMER SUN PARTIALLY



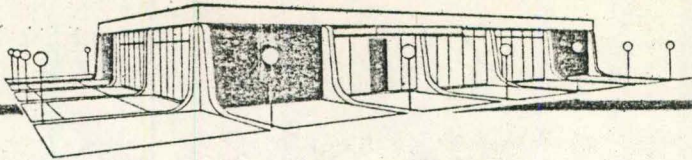
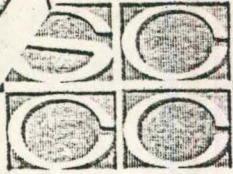
BEST



NEED MORE MATERIALS



2 WAYS OF ATTACHING COLLECTOR TO BUILDING



SIoux CITY CHAMBER OF COMMERCE • 101 PIERCE STREET • SIoux CITY, IOWA 51101 • PHONE (712) 255-7903

OFFICE OF
PRESIDENT

Mr. Kevin Beauvias
Woodbury County Community Action Agency
1015 Eighth Street
Sioux City, IA 51101

Mr. Beauvias:

One of the cold hard facts of living in 1977 is the ever present concern for energy supplies. Our daily lives are affected on a minute-by-minute demand for conservation of our depleted sources of fuel.

It is so important for people in all walks of life to face the challenge we have been presented with. I heartily support the Woodbury County Community Action Agency's plan of setting up solar energy models in Sioux City. Education of the general public is the first step in introducing the alternatives to present day energy sources.

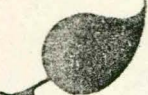
I wish you success in your project.

Sincerely,

Paul A. Berger
President
Sioux City Chamber of Commerce

PB:ss

t
r
w-
lizes
3
y
le
er
'gy
y
le
l
i-
ge.
t
It
gy"
i
1



indian
creek
nature
center

6665 otis road s.e., r.r. 3, cedar rapids, iowa 52401 319/362-0664

38

April 15, 1977

Mr. Paul Comer
Iowa Development Commission
250 Jewett Building
Des Moines, Iowa 50309

Dear Mr. Comer:

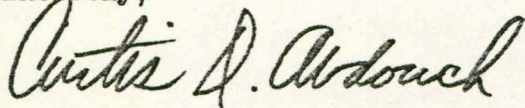
Enclosed is our application for funding and participation in the Iowa Community Betterment Program.

Pending is the resolution from the Mayor and City Council of Cedar Rapids. I do not believe there will be a problem in obtaining official endorsement. However, the council will not meet again until Tuesday, April 19.

I hope this deletion does not completely jeopardize our application. We shall forward the resolution as soon as possible. Should there be a problem from our end, we will withdraw our application.

Thank you very much for your kind consideration and assistance.

Sincerely,



Curtis D. Abdouch
Director

CDA:hio

APR 15 1977

A PROPOSAL TO DEVELOP
AN ENERGY EDUCATION AND
CONSERVATION PROGRAM FOR YOUNG PEOPLE

An Application for Funding
through the Iowa Community
Betterment Program

Submitted by
the Indian Creek Nature Center
and
the Cedar Rapids Energy Awareness Council
April 15, 1977

APR 15 1977

CEDAR RAPIDS ENERGY AWARENESS COUNCIL

To promote community betterment through energy education and energy conservation.

Council Members

Stanislavs Reinis, Commissioner of Parks and Public Property
City of Cedar Rapids

Dale Sawyer, Iowa Electric Light and Power Company

Dr. Dean Hartman, Grant Wood Area Education Agency

Dr. David Hammond, Iowa State University Extension Service

Ray Vander Wiel, Cedar Rapids Community Schools

William Logan, WMT-TV

Dr. Robert Caldwell, President, Indian Creek Nature Center

Energy use and energy conservation are among the most important socio-economic-environmental issues confronting mankind in the latter twentieth century. Virtually every phase of life and living in natural systems as well as man-oriented environments is dependent on energy.

Energy awareness must be achieved before appreciation and understanding of this complex subject can be developed. Only through understanding can meaningful actions take place that will bring about long lasting positive effects on attitudes and behaviors with respect to energy and all other natural resources.

Education to help people become more aware, more knowledgeable and more active in energy and environmental conservation is the Indian Creek Nature Center's main goal as a community-based, privately operated, non-profit education resource. Through programs and activities we endeavor to provide reliable, accurate and important information to visiting schools, non-school groups and the general public.

Energy education is not new to the Indian Creek Nature Center. But the more we do the more we want to do and need to do. In 1976 we hosted a special public lecture on energy by Maurice Van Nostrand, Chairman of the Iowa Commerce Commission. This was the keynote presentation for a special lecture series during our Earth Week observance in April. In November we sponsored a public service program, the Citizen's Workshop on Energy and the Environment, made possible through the University of Northern Iowa.

We developed a lobby display for Iowa Electric Light and Power Company on wind and solar energy alternatives to fossil fuels which was exhibited in May of 1976. At the Nature Center we also featured "Solar Fair", an exhibit on current solar energy projects in Iowa. The exhibit was developed by the Des Moines Center of Science and Industry. The Nature Center made use of the exhibit in the fall of the same year.

School classes which visit the Nature Center have a first hand opportunity to witness the effects of energy flow in natural systems. The activities designed for the fifth grades heavily emphasize the role energy plays in making nature work. This is not only evident in our field experiences, but also in two film strips we have produced. The first, a field trip orientation, reinforces the concept of energy in natural systems. The second film strip, which follows the field experience compares energy at work in the

natural environment with how it serves man on the farm and in the city.

We emphasize energy in the many inservice workshops for teachers which are performed for the seven-county Grant Wood Area Education Agency and the University of Iowa.

On a less formal basis, we have provided incentive and inspiration for some high school projects dealing with energy. Both of the awards which were given by the Nature Center for the Eastern Iowa Science Fair on March 26, 1977 were received by students who showed a high degree of attention to the subject of energy.

Many of our education programs have been directed toward young people. We work to create a favorable climate for energy conservation now and in the future by influencing early positive behavior and attitudes toward the wise use of energy resources.

Interest by young people in energy was tested in early 1976 on a children's day time television program. The program produced by WMT-TV in Cedar Rapids, known as "The Dr. Max Show" features after school entertainment and educational short subjects for children. The program also allows for guest appearances. The Indian Creek Nature Center has enjoyed and has maintained a monthly guest role for nearly two years.

During one guest appearance, Nature Center representatives promoted the Federal Energy Administration's publication "Energy Activities with Energy Ant". The Nature Center offered the address to which persons could write to obtain a copy of the booklet. The amount of telephone and written requests was impressive. We felt this reflected a reasonable level of interest in energy conservation among the younger aged people.

The Nature Center's relationship with WMT-TV and the Dr. Max Show has continued to flourish. Viewing polls for the television program consistently show an audience, mostly of young people, to be about 40,000 in Eastern Iowa. A great ready made audience of children exists to receive an important energy conservation message.

With this experience and potential in mind we are requesting a \$500 grant made available from the Community Betterment Program to help underwrite the expense of developing a pilot energy conservation awareness and action program for children.

The program would consist of the following:

1. Creation of character images which would be spokespersons for energy conservation.
2. Procurement of ready-made audio-visual aids to be used for schools and non-school groups.
3. Development of an organization structure to which interested young persons could belong.
4. Review of curriculum materials for use in a comprehensive program of energy conservation for youth.
5. Conduct a search for supplemental or matching funds.
6. Program promotion through the media.
7. Evaluation of the pilot program.

Each of these aspects of the program's development are described in more detail as follows:

1. Creation of character images.

As in many other areas of interest, traditional conservation has had its character images around which people, young and old, have rallied. The United States Forest Service's "Smoky the Bear" is the most famous. Others include Woodsy Owl, the exponent of "Give a Hoot, Don't Pollute", and Johnny Horizon. Most recent on the energy/environment scene is Energy Ant.

While these "conservation critters" have served a worthy purpose, current tastes and trends dictate an image or images which personify a rather "bionic hero" flavor, an image which can effectively capture attention and successfully compete against other promotional strategies. Children's television today reflects a high degree of science fiction-like characters.

Capitalizing on this, the creation of a strong human character which would be real to the touch, yet captivate young people's imaginations while delivering a believable, credible and wholesome energy conservation message would be a strong yet positive force in energy education.

These characters, namely a couple, "Infrared" (male) and "Ultraviolet" (female), would be appropriately costumed and would become the figureheads for the program. Their role would be to make appearances on television and other media forms, provide programs on energy conservation and, possibly, to make visits to sites of high volume human traffic, i.e. shopping centers, department stores, sporting events to reinforce the ethic of energy conservation.

2. Procurement of ready-made audio-visual materials.

The National Geographic Society has produced a series of educational film strips entitled "This World of Energy". The set of five film strips each running from 13 to 14 minutes would help support the activities of the energy conservation characters. A film strip or film strips would be shown in conjunction with the appearance of a conservation character at a school or other group function on a reserved, scheduled basis. Or the film strip(s) would be loaned at no charge for viewing by responsible groups. Additional information on the film strips is included in the Appendix.

We would also want to include the Iowa Energy Policy Council's slide program, "Home Energy Audit" in the program offerings and would investigate other audio-visual materials for possible use.

3. Development of an organization structure.

Young people are especially influenced by peer pressure and approval. We intend to develop an organization to which energy conservation-minded young people could have a sense of belonging. Admission to such an organization would be based on the completion of a household energy audit the young people would conduct in conjunction with their parent or parents.

A checklist would be developed that, upon completion, the parent would sign as "proof" the audit had been conducted. In addition, children would be expected to adopt energy conservation practices as another prerequisite to membership.

A proposed name for the organization is "The Solar Generation". (It should be noted that use of solar energy, in its current state of technology has intriguing and provocative implications. However, while the references to solar energy appear to be strongly emphasized in the organization name and character names, the entire realm of energy both in the traditional and nontraditional future sense will be addressed, with an emphasis on conservation of all forms of energy.)

Design of the organization would be somewhat similar in format to the national personal hygiene effort. (See Appendix) But the materials would reflect adoption of practices such as: a.) turning off lights when not in use, b.) car pooling, c.) keeping the thermostat at a low winter setting, d.) minimal use of air conditioning in summer, e.) helping parents with installation of insulation and weather stripping, f.) reminding parents and other adults to respect the 55 m.p.h. highway speed limit, g.) limiting or eliminating use or overuse of unnecessary appliances.

By working with young people, yet involving their parents in the activity it is hoped that increased awareness and activity by adults can be stimulated.

4. Review of curriculum materials.

A review of a Kindergarten - Sixth Grade Energy Education Curriculum packet now being developed by the Iowa Energy Policy Council in cooperation with the Iowa Department of Public Instruction would be conducted. The review would be made for the purpose of possibly adapting and incorporating these materials in more comprehensive energy education programs for the Cedar Rapids Community Schools and other surrounding school districts.

Besides the K-6 packet, other materials will be sought and reviewed for the same purpose.

5. Conduct a search for additional funds.

The scope of the proposed project is envisioned to exceed the amount of funds available in any single \$500 grant limit. Most of the funds requested would be used for development of the pilot. (See attached Budget). To implement the program on the level anticipated beyond the pilot status would require additional funds. Therefore, the Indian Creek Nature Center would plan to seek supplemental funding from the Iowa-Illinois Gas and Electric Company and Iowa Electric Light and Power Company in Cedar Rapids.

However, the offer of small grants through the Iowa Energy Policy Council and the Community Betterment Program has provided inspiration and incentive for development of this application for funding.

6. Promotion through the media.

WMT-TV management and production staff have pledged promotional support for the program. Considering the viewing area encompassed, we feel chances for successful promotion are most possible.

Other promotional strategies through the Nature Center's press and channels will also be developed.

7. Evaluation

After promotion and testing, an evaluation of the pilot program will be made. Any suggestions for revision, refinement or improvement will be noted.

Additional assurances are provided because we are committed to energy education as it relates to environmental education now and in the future. Indeed, the future itself depends on how well we use our precious energy resources.

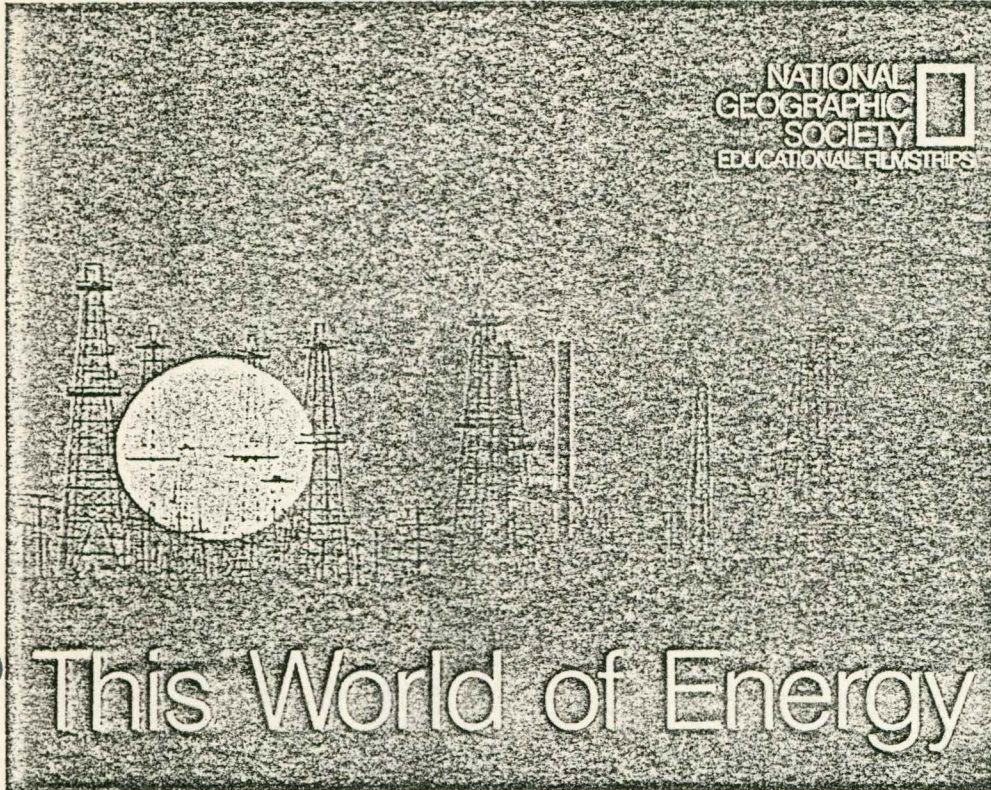
Assurances are given to the granting agency that the funds will be used for the purposes stated and they will be used during any granting period which may be required.

While the proposed project would be developed by the Indian Creek Nature Center professional staff, with the assistance of area educators and media staff, the intent of the project is to motivate a voluntary effort in energy conservation.

BUDGET

Audio Visual Materials	\$ 67.50
Material for energy character costuming	\$100.00
Advertising costs for energy characters search	\$ 25.00
Consumable supplies	\$ 32.50
Staff time for pilot program development	\$275.00
Includes audition of energy characters	
Development of energy audit kit for children and membership materials	_____
TOTAL	\$500.00

Postage costs, production of quantity amounts of printed materials, transportation costs, honoraria for energy characters, and other costs must be paid through future, supplemental funding.



Vital roles of energy in mankind's activities. Muscle power, electricity, wind . . . energy from fossil fuels and moving water . . . solar radiation and nuclear power. Many sources of energy already in use, and ways to provide for energy needs of the future. Five sound filmstrips, running time 13-14 minutes each. © 1974

Energy in the Earth

Learn of civilization's needs for energy; study present resources: coal, oil, natural gas.

Using Energy

Trace changes in energy use, from the time of early man to the Atomic Age.

Fossil Fuels

See how coal, oil, and natural gas are obtained, and learn about increasing scarcity.

Nuclear Power

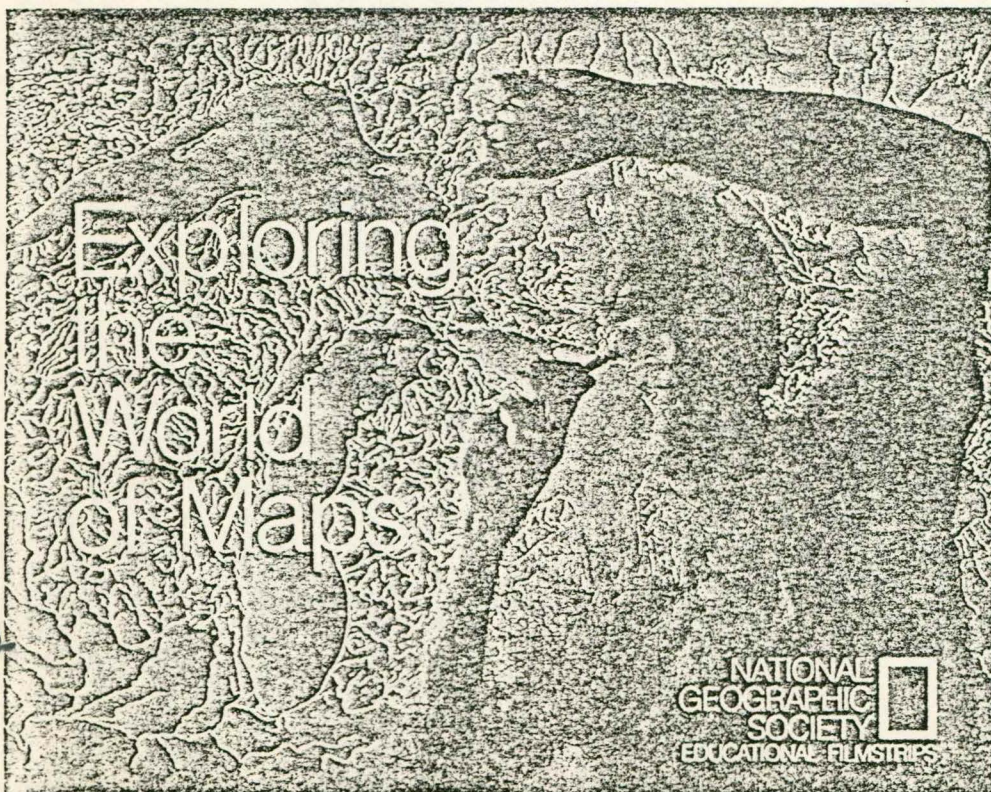
Fission, breeder reactors, and fusion processes may help solve energy shortages.

Energy for the Future

Scientists seek new energy sources—from the wind, from within the earth, and from the sun.

No. 03756 Filmstrips with records \$67.50

No. 03757 Filmstrips with cassettes \$67.50



The meanings of map symbols. Kinds and uses of maps. Boundary lines, distances, scales, directions, and map projections introduced and explained. Today's surveying techniques. Changing concepts of the world. Methods of map production, and eight different National Geographic maps for classroom display. Five sound filmstrips, running time 11-14 minutes each. © 1973

The Messages of Maps

Learn the vocabulary of maps; see how the land, rivers, roads, and cities are portrayed.

Using Maps

Discover what can be learned from different kinds of maps.

The Round Earth on Flat Paper

See map makers at work; study mapping tools; learn the three basic types of map projection.

Surveying the Earth

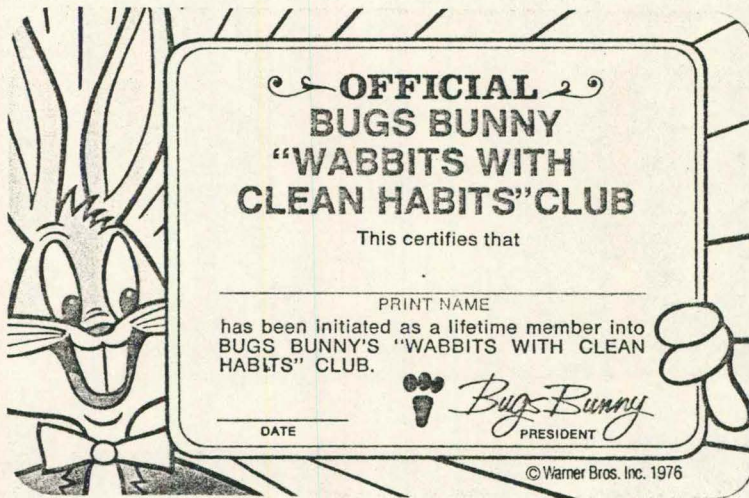
Follow surveyors; see satellite views of earth; map the ocean floor from a ship.

The Making of Maps

Relive the history of map making, from stick-and-shell charts to computer-compiled maps.

No. 03734 Filmstrips with records \$67.50

No. 03735 Filmstrips with cassettes \$67.50



**OFFICIAL
BUGS BUNNY
"WABBITS WITH
CLEAN HABITS" CLUB**

This certifies that

PRINT NAME

has been initiated as a lifetime member into
BUGS BUNNY'S "WABBITS WITH CLEAN
HABITS" CLUB.

DATE



Bugs Bunny
PRESIDENT

© Warner Bros. Inc. 1976

STATE LIBRARY OF IOWA



3 1723 02092 0138