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DEPARTMENT OF
GENERAL SERVICES
OFFICE OF THE DIRECTOR

CITY OF SACRAMENTO
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DIVISIONS:

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June 10, 1988

Budget and Finance Committee
Sacramento, California

Honorable Members in Session:

SUBJECT: REPORT BACK ON SOLAR PHOTOVOLTIC ENERGY

SUMMARY

This report is in response to a request made by Councilperson Chinn at the Budget and Finance Committee Meeting of May 17, 1988, regarding feasibility of utilizing Solar Photovoltaic Energy in various parking lots.

BACKGROUND

Staff has contacted the California Energy Commission and the Solarize Photovoltaic Energy Corporation since both have experience in this field.

FINDINGS/DISCUSSION

Solar Photovoltaic Energy is a technically feasible alternative that is in its infancy with a considerable amount of research and development activity. Its use is found to be financially practical at remote sites where power transmission lines are not available. Currently, Solar Photovoltaic Energy is estimated to cost \$.35/kwh, which is not competitive with SMUD's rates (Rate 47 of approximately .0831/kwh). Maintenance costs are high and this technology presents a potential toxic waste problem of disposing of batteries.

However, on June 7, 1988, a written request was made to Mr. Asera of Solarize Photovoltaic Energy Corporation to evaluate the practicality of photovoltaic energy at two City facilities - Parking Lot H at 10th & L Streets and Fire Station #2 at 1229 I Street - at no cost to the City.

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CONCLUSION

Solar Photovoltaic Energy, being a relatively new technology, must be evaluated cautiously. Staff will come back to the Committee after we have received Solarize Photovoltaic Energy Corporation's evaluation report.

RECOMMENDATION


This report is for Committee information and no action is required.

Respectfully submitted,



Frank Mugartegui
Director of General Services

FOR COMMITTEE INFORMATION ONLY:



Jack Crist
Deputy City Manager

June 21, 1988
All Districts