

Department of Resources Recycling and Recovery (CalRecycle)

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Zone Works

New Technology – Connecting the Dots
Financing Conversion Technology Projects

May 11 - 12, 2011

RMDZ Loan Program – Eligibility Criteria

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www.CalRecycle.ca.gov/rmdz/loans

Application

- Call us
- Initial application
- Full application, includes permits and other docs.

Project Eligibility Criteria

“Conversion technologies”

- ✦ Thermal conversion
- ✦ Chemical conversion
- ✦ Biological conversion

“Biomass Conversion”

Ortigalita Power Company \$1,350,000 Merced County RMDZ

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Gasification system that will convert wood into a synthetic natural gas ("syngas" or "producer gas"). The syngas will feed into a specially modified natural gas genset to produce electricity on the grid.



Environ Strategies \$1,637,500

City of Chino RMDZ

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Anaerobic digestion biomass power facility that will process and convert food waste into biomethane gas, for electrical generation on the grid .



Plastic Energy – Hanford \$2,000,000 Greater South San Joaquin RMDZ

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The project will take post-consumer plastics (primarily types 3 thru 7) and catalytically convert them into gasoline and low-sulfur diesel fuel.

Air Permit Challenge:

- Environmental Group – PVC MRF material may contaminate the feedstock.
- Equip. change to turbine rather than piston engines and the reduction of plastic melters from three to one.
- The project required reconsideration in light of CEQA

Energy Commission

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Toolbox – Financing Guide

<http://energy.ca.gov/process/financing.html>

Process Energy - Agricultural Loan Solicitation

http://energy.ca.gov/process/agriculture/loan_solicitation/index.html

Energy Efficiency Financing

<http://energy.ca.gov/efficiency/financing/index.html>