

GRANT REQUEST FORM (GRF)

CEC-270 (Revised 02/13)

CALIFORNIA ENERGY COMMISSION

New Agreement ARV-15-017 (To be completed by CGL Office)

Division	Agreement Manager:	MS-	Phone
600 Fuels and Transportation Division	Akasha Khalsa	27	916-657-4854

Recipient's Legal Name	Federal ID Number
West Biofuels, LLC	20-5973773

Title of Project
"West Biofuels Fuel Ethanol and Value-Added Chemicals from Biomass Residues" Project

Term and Amount	Start Date	End Date	Amount
	11 / 20 / 2015	08 / 31 / 2018	\$ 1,000,000

Business Meeting Information
 ARFVTP agreements under \$75K delegated to Executive Director.

Proposed Business Meeting Date	11 / 12 / 2015	<input type="checkbox"/> Consent	<input checked="" type="checkbox"/> Discussion
Business Meeting Presenter	Akasha Khalsa	Time Needed:	5 minutes

Please select one list serve. Altfuels (AB118- ARFVTP)

Agenda Item Subject and Description

Proposed resolution approving Agreement ARV-15-017 with West Biofuels, LLC for a \$1,000,000 ARFVTP grant to conduct bench testing in Woodland, CA; develop a temperature control system and thousand hour testing of the catalyst reactor in Gussing, Austria; design and build a pilot scale mixed alcohol synthesis (MAS) catalyst system to produce large chain alcohols; calculate an LCFS pathway; and write a Technoeconomic Analysis. These steps validate a process to convert gasifier syngas from biomass residue to ethanol for blending with gasoline for transportation fuel. (ARFVTP funding) Contact: Akasha Khalsa. (Staff presentation: 5 minutes)

California Environmental Quality Act (CEQA) Compliance

- Is Agreement considered a "Project" under CEQA?
 - Yes (skip to question 2) No (complete the following (PRC 21065 and 14 CCR 15378)): Explain why Agreement is not considered a "Project": Agreement will not cause direct physical change in the environment or a reasonably foreseeable indirect physical change in the environment because .
- If Agreement is considered a "Project" under CEQA:
 - a) Agreement **IS** exempt. (Attach draft NOE)
 - Statutory Exemption. List PRC and/or CCR section number:
 - Categorical Exemption. List CCR section number: 15301
 - Common Sense Exemption. 14 CCR 15061 (b) (3)
 Explain reason why Agreement is exempt under the above section:
 The project consists of minor alteration of existing facilities. The project includes designing and building a small, bench-scale mixed alcohol synthesis catalyst system to produce large chain alcohols inside the existing West Biofuels' Woodland Biomass Research Center, already home to a pre-commercial, pilot-scale, 1 MWthermal Fast Internally Circulating Fluidized Bed (FICFB) gasification system with a feed-rate capacity of 6 tons per day. No commercial volume of ethanol will be produced.
 - b) Agreement **IS NOT** exempt. (Consult with the legal office to determine next steps.)
 Check all that apply

<input type="checkbox"/> Initial Study	<input type="checkbox"/> Environmental Impact Report
<input type="checkbox"/> Negative Declaration	<input type="checkbox"/> Statement of Overriding Considerations
<input type="checkbox"/> Mitigated Negative Declaration	

List all subcontractors (major and minor) and equipment vendors: (attach additional sheets as necessary)

Legal Company Name:	Budget
University of California at San Diego (UCSD)	\$ 333,345
	\$ 90,750 match
Bioenergy 2020+	\$ 0
	\$ 375,000 match
Albemarle Corporation	\$ 0
	\$ 24,700 match

List all key partners: (attach additional sheets as necessary)

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Legal Company Name:

Budget Information

Funding Source	Funding Year of Appropriation	Budget List No.	Amount
ARFVTF	2015-16	601.118H	\$1,000,000
Funding Source			\$
R&D Program Area: N/A		TOTAL:	\$1,000,000
Explanation for "Other" selection			
Reimbursement Contract #:		Federal Agreement #:	

Recipient's Administrator/ Officer				Recipient's Project Manager			
Name:	Kristen Decker, CFO			Name:	Matthew Hart		
Address:	West Biofuels, LLC 1401 Los Gamos Dr., Suite 200			Address:	West Biofuels, LLC 14958 County Road 100B		
City, State, Zip:	San Rafael, CA 94903			City, State, Zip:	Woodland, CA 95776		
Phone:	415-446-2751	Fax:	415-446-2951	Phone:	650-796-6288	Fax:	- -
E-Mail:	Kristen.decker@headlands.us			E-Mail:	matt.hart@westbiofuels.com		

Selection Process Used

Competitive Solicitation
 First Come First Served Solicitation

Solicitation #: PON-14-602

The following items should be attached to this GRF

1. Exhibit A, Scope of Work	<input checked="" type="checkbox"/>	Attached
2. Exhibit B, Budget Detail	<input checked="" type="checkbox"/>	Attached
3. CEC 105, Questionnaire for Identifying Conflicts	<input checked="" type="checkbox"/>	Attached
4. Recipient Resolution	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> Attached
5. CEQA Documentation	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> Attached

Agreement Manager _____ Date _____ Office Manager _____ Date _____ Deputy Director _____ Date _____