

**Advanced Plug Load Controls and Management in the Educational Environment, CEC Project EPC-17014**  
**Memorandum of Understanding**

Between

Grossmont-Cuyamaca Community College District

and

Willdan, dba Newcomb Anderson McCormick, Inc.

This Memorandum of Understanding (MOU) sets the terms and understanding between Grossmont-Cuyamaca Community College District and Willdan, dba Newcomb Anderson McCormick, Inc. (NAM) to deploy advanced plug-load management device (APMD) systems at the District facilities, under the California Energy Commission (CEC) Grant-funded Project EPC-17014, “Advanced Plug Load Controls and Management in the Educational Environment”. As a participant, the Community College District will agree to serve as a host site and will receive plug load equipment that is fully paid for by the California Energy Commission. As part of this field study, NAM will collect and analyze the Community College District’s energy usage data during the grant period to validate the performance of the product. The Community College agrees to NAM acquisition and analysis of data for the sole purpose of validating the energy performance of the emerging technology products listed below. The District has the right to anonymize the field testing results in publications if it wishes.”

**Background**

NAM is conducting a grant-funded emerging technology demonstration project for the California Energy Commission. The *Advanced Plug Load Controls and Management in the Educational Environment* project will deploy and evaluate, on a mass scale, APMD systems at multiple California Community College District campuses in electric investor owned utility (IOU) service territories statewide.

**Scope and Schedule**

This MOU represents an acknowledgement between the District and NAM that the following APMD deployment will be implemented under the CEC grant-funded program:

Campus	Targeted Building / Area	Approximate Square Footage	Estimated APMD Equipment Quantities	
			Embertec	Ibis Networks
Grossmont College	Admin/Student Services	26,079	144 Qty Embertstrip 8PC+ (ESUSPC8-ET-10)	64 Qty Single Intellisocket (IS-301); 13 Qty Dual Intellisocket (IS-302); 1 Qty Intelligateway (IG-302)

Grossmont College	Library/Tech Mall	72,721	34 Qty Embertstrip 8PC+ (ESUSPC8-ET-10)	71 Qty Single Intellisocket (IS-301); 8 Qty Dual Intellisocket (IS-302); 1 Qty Intelligateway (IG-302)
Grossmont College	District Office	6,257	18 Qty Embertstrip 8PC+ (ESUSPC8-ET-10)	n/a
Grossmont College	District Annex	6,347	31 Qty Embertstrip 8PC+ (ESUSPC8-ET-10)	28 Qty Single Intellisocket (IS-301); 4 Qty Dual Intellisocket (IS-302); 1 Qty Intelligateway (IG-302)
Cuyamaca College	Bldg. A - Student Services	18,205	101 Qty Embertstrip 8PC+ (ESUSPC8-ET-10)	47 Qty Single Intellisocket (IS-301); 3 Qty Dual Intellisocket (IS-302); 2 Qty Intelligateway (IG-302)
Cuyamaca College	Bldg. B - Comm. Art Center	33,720	n/a	33 Qty Single Intellisocket (IS-301); 1 Qty Intelligateway (IG-302)
Cuyamaca College	Bldg. D - Gym	11,832	10 Qty Embertstrip 8PC+ (ESUSPC8-ET-10)	26 Qty Single Intellisocket (IS-301); 1 Qty Dual Intellisocket (IS-302); 1 Qty Intelligateway (IG-302)
Cuyamaca College	Bldg. E - Business and Technology	11,624	n/a	28 Qty Single Intellisocket (IS-301); 1 Qty Intelligateway (IG-302)
Cuyamaca College	Bldg. F - Classrooms	32,238	n/a	32 Qty Single Intellisocket (IS-301); 1 Qty Dual Intellisocket (IS-302); 1 Qty Intelligateway (IG-302)
Cuyamaca College	Bldg. H - Science and Math	31,027	n/a	29 Qty Single Intellisocket (IS-301); 1 Qty Intelligateway (IG-302)
<b>Total:</b>	<b>9 buildings</b>	<b>250,050</b>	<b>338 Qty Embertstrip 8PC+ (ESUSPC8-ET-10)</b>	<b>358 Qty Single Intellisocket (IS-301);</b>

				<b>30 Qty Dual Intellisocket (IS-302); 12 Qty Intelligateway (IG-302)</b>
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The estimated value of the proposed systems to be funded by the CEC grant is \$78,000. The systems will reduce electrical energy use by an estimated 125,000 kWh annually

Equipment Installation is currently projected to occur during the month of February 2019. Approximately 2 weeks prior to the start of install, NAM will establish firm installation dates and times with the District.

**Reporting**

The following documentation and reporting will be delivered to the District upon project completion

- District APMD Deployment Site Summary Report
- Manufacturers’ APMD Equipment Documentation

**Responsibilities and Funding**

This MOU does not represent a commitment of funding.

Tasks	Responsible Party*	Funding Source, if Applicable
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	District	NAM	Conservation Corps	Equipment Vendors	
Provide overall project management		L			Funded by the CEC Grant
Survey target areas for potential deployment scope	S	L			Already conducted at the time this MOU is generated
Obtain Campus Stakeholder “buy-in” for project	L	S			
Notify end users and managers of planned modifications to workspaces and equipment, and installation schedule prior to installation	L	S			Recommend group emails sent from District facilities staff and/or IT staff. NAM to provide supporting documentation
Coordinate APMD software installations, and APMD cloud and gateway connectivity within existing District IT systems	L	S		S	Up to \$3,000 of funding from the CEC Grant is available to the District to defray these costs
Provide Facilities and IT staff training	S	S		L	
Provide end user training and awareness	L	S			End user involvement with the new systems is minimal but they should be made aware of the basic system operation
Provide and Install APMD equipment	S	S	L	S	Funded by the CEC Grant and “match share” funding from Vendors
Measurement and verification of savings	S	L			Funded by the CEC Grant
Conduct customer satisfaction surveys	S	L			Funded by the CEC Grant
Deliver Deployment Site Summary Report and Equipment Documentation		L			Funded by the CEC Grant

\*L = Lead Responsibility. S = Support Responsibility. The California Conservation Corps and the Equipment Vendors are subcontractors to NAM for the purposes of this project.

### Duration

This MOU is at will and may be modified by mutual consent of authorized officials from Grossmont-Cuyamaca Community College District and NAM and will remain in effect until modified or terminated by any one of the partners by mutual consent. In the absence of mutual agreement by the authorized officials from Grossmont-Cuyamaca Community College District and NAM this MOU shall end on 3/31/2021.

### Contact Information

#### District Contact

Jacqueline Hall  
Sustainability Specialist  
8800 Grossmont College Dr.

El Cajon, CA 92020  
619-644-7975  
[Jacqueline.Hall@gccd.edu](mailto:Jacqueline.Hall@gccd.edu)

NAM Contacts

Agatha Vaaler  
Project Manager  
1115 W Sunset Blvd, Suite 805  
Los Angeles, CA 90012  
213-935-8352  
[AVaaler@willdan.com](mailto:AVaaler@willdan.com)

Lance Kincaid  
Principal Investigator  
201 Mission St, Suite 2000  
San Francisco, CA 94105  
415-896-0300  
[LKincaid@willdan.com](mailto:LKincaid@willdan.com)

\_\_\_\_\_ Date: \_\_\_\_\_  
(District contact signature)

\_\_\_\_\_  
(District contact name, District, position)

\_\_\_\_\_ Date: \_\_\_\_\_  
(NAM signature)

Agatha Vaaler, Willdan, dba Newcomb Anderson McCormick, Project Manager  
or  
Lance Kincaid, Willdan, dba Newcomb Anderson McCormick, Principal Investigator