Tri-Counties Hydrogen Readiness Planning – Administrative Items

This appendix includes a number of documents that were used or developed during the performance of this planning project. They provide details of the Project Schedule (Figure G.1), a summary of existing retail stations in the priority locations, and a summary of contacts made with permit agencies and First Responders. These records were established to support the Performance Evaluation process that the project team applied to help with the transition to implementation that will occur once the planning project has ended.

The ultimate success of the Tri-Counties Hydrogen Readiness Planning project (THRP) will be the installation of an increasing number of hydrogen refuelling stations in the Tri-Counties, situated in locations that are well suited to serve the growing numbers of hydrogen vehicles that are anticipated. The probability of success is increased if the site property owners and operators have also indicated a willingness to consider the installation of hydrogen dispensers at their stations, as and when funding becomes available

As these hydrogen stations are permitted and built, local agencies will be knowledgeable of important issues and equipped with resources and contacts to help expedite the permitting process. First responders will have access to resources that will help to develop confidence and awareness for responding to potential incidents or accidents involving hydrogen and Fuel Cell Electric Vehicles (FCEVs). An important part of this planning project has been to help facilitate these efforts.

The assumption is made that stations will be funded and installed in a staged manner, and as such, the plan includes a list of higher priority locations within the Tri-Counties where initial demand for FCEVs is anticipated. Appendix B explains how these general locations and specific stations were identified. Based on this siting analysis, the following jurisdictions were prioritized in each County:

County of Ventura	County of Santa Barbara	County of San Luis Obispo
City of Thousand Oaks	City of Santa Barbara	City of Arroyo Grande
City of Simi Valley	City of Goleta	City of San Luis Obispo
City of Camarillo	City of Carpinteria	City of Atascadero
City of Ventura	City of Santa Maria	City of Paso Robles
City of Moorpark	City of Buellton	
City of Oxnard		

Tables G.1 and G.2 provide a summary of contacts made with permit agencies and response agencies in these jurisdictions.

Figure G.1 - Project Schedule

Schedule of Activities - Tri-counties Hydrogen Readiness Planning Final - February 2017

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	Task		Q3 15						Feb 16													
_			1 2 3	4 1	2 3 4	1 2 3 4	1 2 3 4	1 2 3	4 1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3	1 2 3 4
		Administration/Coordination																				
	1	Kick-Off Meeting			Ш																	
	1	Monthly Reports (Energy Commission)																				
	1	Final Report/Meeting (Energy Commission)																				
	2	Team Meetings																				
		Hydrogen Infrastructure Plan																				
ľ	3	FCEV Demand Analysis																				
	3	Hydrogen Station Siting Analysis - UCI/APEP																				
	3	Assessment of Existing Fueling Stations																				
		Hydrogen Station Installation Manual																				
	4	Streamlining Permit Process																				
	6	Training on Hydrogen Fire Code NFPA-2																				
	7	Safety Assessments - First Responders																				
		FCEV Promotion Plan																				
	5	Orientation for Civic Leaders			Ш																	
	2	Advisory Panel - Meetings	Ш																	Ш		
	5	Promotion of FCEVs - General Public	Ш																			
ľ	8	Promotion of FCEVs - Municipal Fleets	Ш		Ш		Ш															

Notes by Task

- 3 Assessment of existing stations was performed mostly in late 2015/early 2016, but some follow up work in Jan 2017 to assess station owner interest
- 4 Template materials for hydrogen station permitting were mostly assembled in first quarter of 2016, but additional materials became available in late 2016 (including guidance from DOE on H2Tools website).
- 4 Final packet circulated to permit agencies in Feb 2017 (panned)
- 5 Meetings with civic leaders took place at various time over the project period, as their availability allowed
- 5 Promotion activities included all tasks in the Greement, and also several unscheduled opportunities that emerged during the project period (e.g., Earth Day, National Fuel cell Day, UCSB Symposium, Station Openin
- 6 Taining on Hydrogen Fire Codes for Fire Department inspectors was coordinated with Task 4 relating to hydrogen permitting process for local permit agencies
- 7 Safety assessments for first responders included compilation of safety information and response guidance for Fire Department personnel
- 7 Task extended over longer period than anticipated because of operational priorities of key Fire Department personnel
- 8 Progress with municipal fleets was impeded by the lack of useful data on fleets in the Tri-Counties. Extensive effort was made to gather this information before administering survey

Table G.1 – List of Permit Agencies Contacted

Agency	Name	Position	Comment
County of Ventura	Ruben Barrera David Hansen	Building Official Ventura District Manager	
City of Thousand Oaks	Grahame Watts Claudi	Special Projects Manager	TPO Public Works
City of Simi Valley	Peter Lyons	Dir Environmental Services	
City of Camarillo	Joe Vacca	Community Development Director	Building & Safety
City of Ventura	Ian Livingstone	Building Inspection Supervisor	
City of Moorpark	Millhouse		Transportation
City of Oxnard		Building Division	Development Services
County of Santa Barbara	Massoud Abolhoda	Building Official	P&D Building & Safety
City of Santa Barbara	Kelly Brodison	Assistant Planner	SB station
City of Goleta	Kathy Allen	Sup Senior Planner	Planning & Env Review
City of Carpinteria	Steve Goggia	Community Development Director	
City of Santa Maria	Chuen Ng	Director of Community Development	
City of Buellton	Marc Bierdzinski	City Manager/Planning Director	Contracted with County
County of San Luis Obispo	Marvin Rose	Interim Planning Director	Bill Robeson/Rob Fitzroy
City of Arroyo Grande	Jonathon Hurst	Building Official	
City of San Luis Obispo	Anne Schneider	Chief Building Official	
City of Atascadero	Phil Dunsmore	Planning & Development	
City of Paso Robles	Brian Cowen	Acting Building Official	

Table G.2 – List of Fire and Response Agencies Contacted

Agency	Name	Position	Comment
County of Ventura [1]	John Dodd,	Fire Prev Inspector	Plan Check, Inspections
County of Ventura [1]	Chief Sparkman	Fire Training Officer	
City of Ventura	Jack Hansen	Fire Inspector	
City of Oxnard	Bryan Brice	Fire Chief	
County of Santa Barbara [2]	Eric Petersen	Fire Chief	
County of Santa Barbara	Stephen Oaks	Fire Marshall	
County of Santa Barbara	Anthony Stornetto	Fire Training Officer	
Carpinteria/Summerland	Ray Navarro	Fire Chief	
Carpinteria/Summerland	Ed Foster	Fire Marshall	
City of Santa Barbara	Pat McElroy	Fire Chief	Chair of SB Fire Chiefs Assoc
City of Santa Barbara	Joe Poire	Fire Marshall	
City of Santa Barbara	Chris Mailes	Training Officer	Chair of SB County Training Officers
City of Santa Barbara	Robert Mercado	HazMat Officer	Chair of SB County Training Officers
City of Santa Maria	Leonard Champion	Fire Chief	
County of San Luis Obispo [3]	Scott Jalbert	Fire Chief	
City of San Luis Obispo	Garret Olson	Fire Chief	
City of Arroyo Grande	Steve Lieberman	Fire Chief	Five Cities Fire Authority
City of Atascadero	Casey Bryson	Fire Chief	Department of Fire and Emergency Services
City of Paso Robles	Richard Gallagher	Interim Fire Chief	Fire Department, Emergency Services

^[1] The County of Ventura Fire Department is contracted to provide services to Thousand Oaks, Moorpark, Simi Valley Westlake Village and Camarillo

^[2] The County of Santa Barbara Fire Department is contracted to provide services to Goleta, Buellton, Los Alamos and Los Olivos

^[3] The County of San Luis Obispo Fire Department is contracted to provide services to Atascadero and Paso Robles

Table G.3 – Other Contacts and Supporting Resources

Contact	Organization	Comment					
Keith Malone	California Fuel Cell Partnership	Public Affairs					
Jennifer Hamilton	California Fuel Cell Partnership	Hydrogen safety trainer					
Susan Bershad	NFPA(MA)	SoCal Fire Prev Officers Mtg					
Susan Quincy	NFPA, (MA)	SoCal Fire Prev Officers Mtg					
Raymond Bizal	NFPA	Southwest Regional Director					
Sandie Hastings	City of Riverside	President of SoCal FPO Assoc					
Glen Albright	City of Ventura	SoCal FPO Association					
Fire Chief Don Oaks	Consultant	County of Santa Barbara Fire Marshal (retired)					
Tyson Ekerle	GO-Biz, California	California Governors' Office					
Carl Baust, PE	Orange County Fire Authority	Hydrogen safety trainer, plan check resource					
Chief Chris Mailes	City of Santa Barbara	TriCounties Training Officers Association					