



AB 32 Cap-and-Trade Workshop

CFBF, Sacramento, CA

Tuesday, October 9, 2012



Topic	Speakers	Issues Covered
1:00 pm - 1:30pm		
Group Session		
		Room: 1st Floor Conference Room
Intro and Overview	Speakers: John Larrea, CLFP Allan Bedwell, URS	<ul style="list-style-type: none"> • CLFP introduction: <ul style="list-style-type: none"> ○ Lay of the land and reason for workshop • URS overview: <ul style="list-style-type: none"> ○ Estimated Compliance and Energy Costs for a generic 35,000 MT CO₂e/yr food processing facility ○ AB 32 schedule of events and deadlines ○ Workshop Structure
1:35 pm - 2:35 pm		
Workshop 1		
		Room: 1st Floor Conference Room
Facility Preparedness <i>10 things your company needs to do before the end of the year and 10 mistakes to avoid</i> AB32 and CEQA <i>How does AB 32 compliance affect CEQA?</i>	Speakers: Guyton Durnin, URS Darcy Kremin, URS Additional Panel: Casper van Keppel, URS Nik Carlton, URS	<ul style="list-style-type: none"> • 10 things to do now and in the next 3 months • 10 mistakes to avoid now and during the cap and trade program • Where to focus your cost minimization efforts • Differences between AB 32 carbon offsets and mitigating for CEQA significant impacts • How do other aspects under CEQA affect AB 32 compliance? • AB 900 and limiting litigation against your project
Workshop 2		
		Room: CFBF Board Room
Cap and Trade Mechanics <i>Logistics and Strategies to minimize compliance costs:</i> <i>Auctions, Secondary Markets, Brokers, Traders, Allowances, Offsets and Banking</i>	Speakers: Allan Bedwell, URS Greg SanMartin, URS Additional Panel: Dave Halsing, URS	<ul style="list-style-type: none"> • Cap-and-Trade: <ul style="list-style-type: none"> ○ How Cap-and-Trade works ○ Allocations ○ Surrender schedules ○ Allowances vs. offsets <ul style="list-style-type: none"> ▪ Risk of instruments ▪ Transacting ▪ Due diligence ○ Securing Compliance Instruments: <ul style="list-style-type: none"> ▪ Auctions and secondary markets: how they'll work ▪ ICE ▪ Difference between brokers, traders, and other creatures ○ Minimizing costs ○ Auction strategies • Banking



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 Cont...



Topic	Speakers	Issues Covered
2:40 pm - 3:40 pm		
Workshop 3		Room: 1st Floor Conference Room
Benchmarking and Leakage <i>CARB's forthcoming product-based benchmark and Leakage Review for Food Processors</i>	Speakers: Greg SanMartin, URS Dave Halsing, URS Additional Panel: Guyton Durnin, URS Casper van Keppel, URS	<ul style="list-style-type: none"> • How to keep CARB focused on rewarding efficiency, growth, and competition • Difference between energy and product based benchmarking • Status of CARB product benchmarking and possible outcomes • How leakage calculation works • CARB's plans for review of leakage and possible outcomes • How to look after your company's interests in both energy and product based proceedings
Workshop 4		Room: CFBF Board Room
Hidden Compliance Costs of AB32 <ul style="list-style-type: none"> • <i>Managing your compliance account</i> • <i>Increased electricity costs due to AB 32 could be as high as compliance costs</i> 	Speakers: Allan Bedwell, URS Nik Carlson, URS Additional Panel: Darcy Kremin, URS	<ul style="list-style-type: none"> • CITSS: Effectively managing your account and keeping an eye on the regulators • Energy Costs: How to anticipate and manage increased energy costs caused by AB 32 • Non-compliance penalties
3:45 pm - 4:15 pm		
Group Session		Room: 1st Floor Conference Room
Summary of Key Points and Key Points for Engagement with CARB	Speakers: Allan Bedwell, URS John Larrea, CLFP	<ul style="list-style-type: none"> • Takeaways from the key sessions • Q&A
4:30 pm - 5:30 pm		
Individual Consultation Sessions		Room: 1st Floor Conference Room and CFBF Board Room
<p>Want to discuss specific AB 32 issues for your facilities with an AB 32 expert? You can schedule an appointment for consultation following the workshop during this time.</p> <ul style="list-style-type: none"> • Appointments will be schedule prior to October 9. Please email allan.bedwell@urs.com to schedule. • Consultations may also be arranged the day of. 		

Workshop provided by: California League of Food Processors and URS

Questions? Please call John Larrea with CLFP at (916) 640-8150 or email john@clfp.com



CLFP AB 32 WORKSHOP SPEAKER BIOS

Allan Bedwell is URS' Practice Leader for Climate Change and Renewable Energy. He has over 25 years of technical and project management experience on a wide variety of GHG, energy, air quality projects in the U.S. and internationally. As a former executive with Cantor Fitzgerald, a Wall Street firm specializing in carbon and renewable energy markets, he is an expert in valuation of GHG reduction and renewable energy, the creation of carbon offsets and the trading of carbon credits and renewable energy credits in markets around the world. As a former head of two state agencies for three Governors as well as a GHG and energy expert at the White House, he is well versed in federal, state, local and international GHG requirements, renewable energy and energy efficiency technology, alternative fueled vehicles, and water resource management. As a former executive with an energy technology and air pollution control company he is very familiar with advanced technologies, catalysis, and efficiency. Mr. Bedwell has an MPA in Public-Private Entrepreneurship from the University of Southern California, and a BS in Natural Resource Planning from Humboldt State University.

Greg San Martin is a Senior Greenhouse Gas Engineer with URS, helping clients with AB 32 compliance and strategy. Greg is a strategic climate services professional with 20 years of GHG management, air quality, renewable energy and energy industry experience. He spent 18 years with PG&E in San Francisco. In 2002, he became the first full time GHG employee of any large utility in the United States. As PG&E's Climate Protection Program Manager, he helped design and implemented many elements of PG&E's climate program. While at PG&E, Mr. San Martin took a lead role initiating PG&E's efforts to identify, mitigate and communicate financial and physical risks associated with climate change, including sea level rise risks to PG&E facilities. Mr. San Martin performed substantial sector specific benchmarking to ensure that PG&E was always aware of what activities were being undertaken by other utilities to address climate change risk. Mr. San Martin has a BS in Chemical Engineering from San Jose State University.

Casper van Keppel is a Senior Process Engineer and Project Manager with URS helping clients with AB 32 compliance. Mr. van Keppel has over 22 years of chemical process and environmental engineering experience. His areas of expertise include food processing, greenhouse gas emissions reduction, renewable fuels, resource recovery, energy optimization, life cycle assessment (LCA), air emissions inventories and reduction, process engineering, plant design and environmental compliance auditing. Casper's clients have included food processors, land developers, municipalities, water and sewer agencies, U.S. military, commercial and industrial clients. Recent projects have included process improvement evaluations for a variety of California industrial and food processors to reduce AB 32 compliance costs.



Nik Carlson is a Senior Economist with URS helping clients develop their AB 32 compliance and market strategies. Nik has 19 years of experience working on an extensive variety of projects concerning natural resource, privatization, renewable energy and transportation issues throughout the United States. As a resource economist, he has particular experience in performing socioeconomic and financial analyses. His experience includes benefit-cost, financial, economic and social impact analyses. Mr. Carlson has provided evaluations of recreational development projects and demand forecasts for numerous National Park Service, Bureau of Reclamation and California State Parks projects. Mr. Carlson has an MPP in Public Policy from the Kennedy School of Government, Harvard University and an MA in Philosophy, Politics and Economics from Oxford University.

Darcy Kremin is an Environmental Planning Manager with URS leading the CEQA compliance program. She is a Senior Environmental Planner with 15 years of planning and California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA) experience for nonprofit, private, and public sector clients. She has managed the preparation of numerous environmental documents throughout the United States, particularly within California. Ms. Kremin received her MA in Urban and Environmental Policy from Tufts University, and her BA in Geography/Environmental Studies from UCLA.

David Haling is an Environmental Analyst with URS working on cost-effectiveness of AB 32 GHG reduction. David has 13 years of experience in analyzing and modeling natural resources, natural hazards, and other environmental issues, and has delivered a number of environmental studies, benefit-cost analyses, greenhouse gas inventories, and decision-support tools to clients in Federal, state, and regional governments. The most recent 5 of those years has been at URS Corporation in Oakland, where he has been project manager or deputy project manager for a wide range of clients and projects in the public and private sectors. Prior to joining URS, Dave spent 8 years as a research scientist at the U.S. Geological Survey in Menlo Park. He focused on studying the cost-effectiveness of environmental regulation and modeled returns on investments made in spatial data infrastructure and information, land use management, endangered species protection, and reserve-site selection.

Guyton Durnin is an environmental engineer, civil engineering, and economist with URS. He has 6 years of experience in AB 32 compliance modeling, waste to energy, biofuels production, green buildings, recycling, and greenhouse gas emissions. He has knowledge of finance, chemical and biomolecular engineering, project management, and process design.