



*AMERICAN  
PUBLIC  
TRANSPORTATION  
ASSOCIATION*

# **APTA 2009 Sustainability and Public Transportation Workshop**

## **Agenda**

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**Hilton Salt Lake City Center  
Salt Lake City, UT  
August 2-4, 2009**

**2009 APTA SUSTAINABILITY AND PUBLIC  
TRANSPORTATION WORKSHOP  
HILTON SALT LAKE CITY CENTER  
SALT LAKE CITY, UT  
AUGUST 2-4, 2009**

**Welcome to Salt Lake City**, the “Crossroads of the West!” In the olden days, this scenic valley was the meeting point for the transcontinental railroad. That vital joining of the railroads launched an era of thriving commerce, greater movement and economic development. Today, this valley is a meeting place for community leadership and progressive approaches to sustainability.

Since Salt Lake City hosted the 2002 Olympic Winter Games, community attitudes have dramatically shifted in favor of sustainable land use and transportation. Our elected officials, business and community leaders recognize the role public transportation plays in creating sustainable development. In 2006, voters in Salt Lake and other Utah counties approved a sales tax increase to accelerate the construction of 70 miles of rail projects before 2015 instead of 2030.

These rail lines and other transit projects are connecting sustainable developments all over the valley. In the heart of downtown, the massive City Creek project is creating an innovative mixed-use development for a dynamic urban living and working experience. Southwest of Salt Lake City, Kennecott Land created a vibrant, walkable development, Daybreak, which features light rail as a major component of the transportation master plan.

As part of our corporate sustainability philosophy, the Utah Transit Authority (UTA) has signed sustainability charters with APTA and UITP (International Association of Public Transport). Additionally, our successful effort to achieve ISO 14001 certification continues to drive us in setting, monitoring and achieving sustainability and environmental goals.

We know that you have great lessons and ideas to share, too. On behalf of the UTA board of trustees and staff, we are happy to have you in Salt Lake City and look forward to an exciting and successful conference.

John M. English  
General Manager/CEO  
Utah Transit Authority

**APTA’s Vision**

Be the leading force in advancing public transportation.

**APTA’s Mission**

To strengthen and improve public transportation, APTA serves and leads its diverse membership through advocacy, innovation, and information sharing.

**APTA’s Policy on Diversity**

APTA recognizes the importance of diversity for conference topics and speakers and is committed to increasing the awareness of its membership on diversity issues. APTA welcomes ideas and suggestions on how to strengthen its efforts to meet these important diversity objectives.

# WORKSHOP SPONSORS

APTA thanks the following full sponsors for making this workshop a success:



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# 2009 APTA SUSTAINABILITY AND PUBLIC TRANSPORTATION WORKSHOP

## Making the Business Case for Sustainability

**Sunday, August 2**

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*Dress Code – Business Casual*

**10 a.m. – 6:00 p.m.**  
**Registration Office (2<sup>nd</sup> floor)**

**Registration**

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**2 – 5 p.m.**  
**(Outside hotel)**

**Sustainability in Action Tours**

**Tour 1: Sustainable Development Tour**

**Daybreak Development Community** - Which came first, land use or transportation? Well, in the ideal situation they would be planned and developed together. Here at Daybreak is an example of one of the many sustainable development practices that is an integral part of the design of the 4,200 acre development. Officials from Rio Tinto | Kennecott Land will provide an overview of this exciting development project and lead a tour of the Daybreak community. Experience the planning, designing, and construction of an exciting sustainable development project that, with two light rail stations located within the community, uses transit as just one of its many sustainable practices.

*(This tour will meet in the hotel lobby at 2 p.m. and will travel by bus to the Daybreak community. The tour is expected to take 2 ½ - 3 hours. Closed-toe shoes are recommended.)*

**Tour 2: Sustainable Operations Tour**

**Refurbishing a Rail Fleet and Maintenance Facility -**

Take a ride on UTA's TRAX light rail and FrontRunner commuter rail line to one of the largest rail maintenance facilities in the country. This tour will include a visit to UTA's 185,000 square foot Warm Springs maintenance facility, which the agency acquired as part of an historic purchase from Union Pacific Railroad in 2002. This paved

the way for UTA's current \$2.5 billion FrontLines 2015 program to build 70 more miles of rail in 7 years. UTA personnel will lead a tour of the refurbished facility, which saved tens of millions of dollars over building a new facility. In addition, attendees will see firsthand the agency's current efforts to refurbish its fleet of used light rail and commuter rail cars.

*(This tour will meet in the hotel lobby at 2 p.m. and will travel light rail and commuter rail to/from the Warm Springs facility. This tour is expected to take 2-2 ½ hours.)*

**Tour 3: Sustainable Maintenance Tour  
Implementing Environmental Practices in Transit  
Maintenance** - Visit UTA's Meadowbrook facility to learn about UTA's ISO 14001 Certified Environmental Management System. Since 2005, all of UTA's operations have been certified to the ISO 14001 standard. UTA representatives will provide an overview of UTA's environmental management program and demonstrate the agency's innovations in fuel conservation, waste water management, energy conservation, recycling, reuse, hazardous waste management and other sustainable practices. Attendees will have the opportunity to see the results that can be achieved through a structured environmental management system.

*(This tour will meet in the hotel lobby at 2 p.m. and will travel by bus to the UTA's Meadowbrook bus facility. The tour is expected to take 2 – 2 ½ hours.)*

**(Please note that space is limited. Please sign up early for tours.)**

**6 – 7:30 p.m.  
Grand Ballroom C**

**Welcome Reception  
Products and Services Showcase**

## **Monday, August 3**

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**7 a.m. – 4:30 p.m.**  
**Registration Office (2<sup>nd</sup> floor)**

**Registration**

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**7 a.m. – 6 p.m.**  
**Grand Ballroom C**

**Products and Services Showcase**

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**7:30 – 8:45 a.m.**  
**Grand Ballroom C**

**Continental Breakfast**

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**8 – 9 a.m.**  
**Alpine Ballroom**

**Opening Session**

**Welcome**

**William Millar**, president, American Public Transportation Association, Washington, DC

**Welcome to Salt Lake City and Introduction**

**John M. English**, general manager/chief executive officer, Utah Transit Authority, Salt Lake City, UT

**Natalie Gochnour**, vice chair, Envision Utah, and chief operating officer, Salt Lake Chamber, Salt Lake City, UT

**Goals and Overview**

**Fred Hansen**, general manager, Tri-County Metropolitan Transportation District of Oregon (TriMet), Portland, OR

**9 – 10 a.m.**  
**Alpine Ballroom**

**Greener Communities, Greater Economic Opportunities, Federal Perspectives on Livability and Sustainability**

Moderator:

**Fred Hansen**

**Beth Osborne**, deputy assistant secretary of policy, Office of the Secretary, U.S. Department of Transportation, Washington, DC

**James Lopez**, senior advisor to the deputy secretary department of housing and urban development, Office of Sustainable Development, U.S. Department of Housing and Urban Development, Washington, DC

**John W. Frece**, director, Development, Community, and Environment Division, Smart Growth Program, U.S. Environmental Protection Agency, Washington, DC

**10 – 10:15 a.m.**  
**Grand Ballroom C**

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**Break**

**10:15 – 11:45 a.m.**  
**Alpine Ballroom**

**Sustainable Development/Sustainable Mobility/The  
Return on Investment**

Hear national, state and regional perspectives on the importance of partnerships for sustainable approaches to mobility, development and the return on investment.

**Moderator:**  
**Fred Hansen**

*AASHTO's Sustainability Initiative*  
**John R. Njord, PE**, executive director,  
Utah Department of Transportation,  
Salt Lake City, UT

*The Walkable Urban Movement*  
**Christopher Leinberger**, visiting fellow, Metropolitan  
Policy Program, Brookings Institution, Washington, DC.

*Sizing-up the Business Case for Green Transit Initiatives  
and Investments*  
**David Lewis, Ph.D.**, senior vice president, National  
Director of Economics and Finance, HDR,  
Ottawa, ON

**12 noon – 1:30 p.m.**  
**Grand Ballroom A**

**Luncheon**  
**Featured Speaker:**  
**Therese McMillan**, deputy administrator, Federal Transit  
Administration, Washington, DC

**1:45 – 5 p.m.**

**“Go Green” Seminars**  
Seminars on the latest sustainability approaches in policy,  
planning, environmental design, operations, and  
maintenance, including the concrete benefits obtained.

**1:45 – 3:15 p.m.**  
**Seminar Theater**

**Part I: Sustainable Planning, Policy, and Community Development**

Hear about the sustainable practices in transportation planning, land use planning and urban design.

**Moderator:**

**Diana C. Mendes, AICP**, chair, APTA Policy and Planning Committee, and senior vice president, AECOM, Arlington, VA

***Regional Networks for Sustainability***

**Paul Bay**, consultant, Richmond, WA

**Michael Skipper**, executive director, Nashville Area Metropolitan Planning Organization, Nashville, TN

***Climate Action Plans***

**Timothy N. Papandreou**, assistant deputy director, Transportation Planning & Development San Francisco Municipal Transportation Agency, San Francisco, CA

***Munich's Approach to Strategic Planning***

**Gunnar Heipp**, director of strategic planning, Munich Transit Corporation, Munich, Germany

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**1:45 – 3:15 p.m.**  
**Topaz Room**

**Part I: Green Design, Materials and Infrastructure**

The session focuses on integrating sustainability into construction projects and mitigating environmental impacts.

**Moderator:**

**David Taylor**, national director, Sustainable Transportation Solutions, HDR, Tampa, FL

**Speakers:**

**Andrew D. Brennan**, director of environmental affairs, Massachusetts Bay Transportation Authority, Boston, MA

**Henry W. Sullivan**, founder, TieTek, LLC, Houston, TX



***Public Private Partnerships for Sustainable Design***

**Timothy Lindholm**, director of capital projects, facilities and operations, Los Angeles County Metropolitan Transportation Authority, Los Angeles, CA

***Green Practices at State Departments of Transportation***

**Damon Fordham**, program manager for environment, American Association of State Highway and Transportation Officials, Washington, DC

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Session sponsored by:



**1:45 – 3:15 p.m.**  
**Granite Conference Center**

**Part I: Sustainable Operations – What You Can Do**

The session focuses on energy-efficient and environmentally sound practices in transit operations and maintenance.

**Moderator:**

**Susannah Kerr Adler**, vice president, manager – Architecture & Buildings Resource Center, Parsons Brinckerhoff, Washington, DC

**Speakers:**

***10 Easy Ways to Save \$800,000 per Year***

**Tom Fitzwater**, manager, Environmental Programs and Resources Management, Santa Clara Valley Transportation Authority, San Jose, CA

***The Competitive Advantage of Sustainability***

**Susan Hafner**, principal, Multimodal Solutions, La Jolla, CA

***Incorporating Sustainability into Environmental Management Systems***

**Perry Weinberg**, environmental affairs and sustainability officer, Sound Transit, Seattle, WA

**John Kinsella**, managing partner, Environmental Resources Management (ERM), Seattle, WA

***Going Green: What does it mean? Sustainability and the Champaign-Urbana Mass Transit District***

**Cynthia Hoyle**, AICP, transportation planner Champaign-Urbana Mass Transit District, Urbana, IL

3:15 – 3:30 p.m.

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**Break**

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3:30 – 5 p.m.  
Seminar Theater

**Part II: Sustainable Planning, Policy, and Community Development**

Hear about sustainable practices in transportation planning, land use planning and urban design.

**Moderator:**  
**David Taylor**

*TOD and Global Weird-ing*

**Tim Baldwin**, vice president, URS, Denver, CO

*LEED-ND and TOD = ???*

**Lucy Galbraith**, manager, Transit Oriented Development Capital Metropolitan Transportation Authority, Austin, TX

*Transforming Tysons Corner - America's Largest New TOD*

**G.B. Arrington**, co-chair, APTA Land Use and Economic Development Subcommittee, and principal practice leader, Parsons Brinckerhoff, Portland, OR

*Salt Lake City's New TODs: Streetcars and the North Temple Boulevard*

**Wilf Sommerkorn**, director, Salt Lake City Planning Division, Salt Lake City, UT

3:30 – 5 p.m.  
Topaz Room

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**Part II: Green Design, Materials and Infrastructure**

The session focuses on integrating sustainability into planning, construction projects and mitigating environmental impacts.

**Moderator:**  
**Susannah Kerr Adler**

**Speakers:**

**M.J. Maynard**, assistant general manager, Regional Transportation Commission of Southern Nevada, Las Vegas, NV

*Green Streets: Green Spaces*

**Ron Stewart, AIA, LEED AP**, principal, ZGF Architects  
LLP, Portland, OR

***The Transit Industry's Unique Sustainability  
Opportunities***

**Tian Feng, FAIA, FCSI**, district architect, San Francisco  
Bay Area Rapid Transit District, San Francisco, CA

**Alan Hart**, founding principal, VIA Architecture, Seattle,  
WA

**3:30 – 5 p.m.**  
**Granite Conference Center**

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**Part II: Sustainable Operations – What You Can Do**

The session focuses on energy-efficient and  
environmentally sound practices in transit operations and  
maintenance.

**Moderator:**  
**Diana C. Mendes**

**Speakers:**  
***Update on FTA TIGGER Program***  
**Elizabeth Zelasko**, community planner, Federal Transit  
Administration, Washington, DC

***Taking the Subway to Copenhagen - How Transit is  
Essential to Global GHG Reduction***  
**Projjal K. Dutta, AIA, LEED**, director, Sustainability  
Initiatives, New York Metropolitan Transportation  
Authority, New York, NY  
**David Erne**, senior associate,  
Booz Allen Hamilton, McLean, VA

***Transit Facility Design, Going Green Nets Results***  
**Merlin Maley, AIA LEED**, RNL Design, Denver, CO

***Sustainable Practices in Operations at Washington Metro***  
**Joan LeLacheur**, manager of environmental management  
and industrial hygiene, Washington Metropolitan Area  
Transit Authority, Washington, DC

**5:15 – 6:30 p.m.**  
**Canyon B**

**APTA Policy and Planning Steering Committee  
Meeting**  
Chair, Diana Mendes

**5:30 p.m.**

**A Night at Gateway – “Dutch Treat” Dinner**

**(Outside hotel)**

This evening, join your colleagues and friends and spend the evening at the Gateway, Salt Lake City’s only open-air destination and one of the first mixed-use residential, retail, office and entertainment centers on the Wasatch Front. Spanning the length of two city blocks, Gateway features more than 130 stores and restaurants, a movie theater, entertainment venues and live music. Visit the beautifully restored 1908 Union Pacific Depot featuring early French Renaissance architecture and original artwork. And take a stroll around Olympic Legacy Plaza with the “dancing waters” of the Olympic Snowflake Fountain. Gateway is open until 9 p.m. and is easily accessible by UTA’s light rail system; take TRAX to Arena Station or Planetarium Station.

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**Tuesday, August 4**

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**7 a.m. – 5 p.m.**  
**Registration Office (2<sup>nd</sup> floor)**

**Registration**

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**7 a.m. – 5 p.m.**  
**Grand Ballroom C**

**Products and Services Showcase**

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**7:30 – 8:00 a.m.**  
**Grand Ballroom Foyer**

**Continental Breakfast**

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**8 – 9 a.m.**  
**Alpine Ballroom**

**Moving Cooler**

Hear the hot off the press findings of the new report, “Moving Cooler; Transportation Strategies to Reduce Greenhouse Gas Emissions.” This independent research effort, sponsored by APTA, FTA, FHWA, NRDC, Shell Oil and a number of other organizations, highlights effective strategies and bundles of strategies within the transportation sector that can reduce greenhouse gas emissions. Examples of such strategies include transit investment, land use, pricing, and transportation operations investments.

**Moderator:**

**Kate Mattice**, director of policy review and development, Office of Budget and Policy, Federal Transit Administration, Washington, DC

**Speakers:**

**Robert Padgett**, director, policy development and research, American Public Transportation Association, Washington, DC

**Colin Peppard**, transportation policy advocate, Natural Resources Defense Council, Washington, DC

**9 – 10 a.m.**  
**Alpine Ballroom**

**International Perspectives on Sustainability**

Hear the latest on international sustainability indicators established for transit and work related to the Charter on Sustainable Development of the International Association of Public Transport (UITP).

**Moderator:**

**John M. English**, chair, UITP Sustainable Development Commission, and general manager/chief executive officer, Utah Transit Authority, Salt Lake City, UT

**Speakers:**

**Heather Allen**, senior manager- Sustainable Development, UITP, Brussels, Belgium

**Gunnar Heipp**, director of strategic planning, Munich Transit Corporation, Munich, Germany



**10- 10:15 a.m.**

**Break**

**10:15- 11:45 a.m.**  
**Alpine Ballroom**

**Tools for Making a Successful Commitment to Sustainability**

The session focuses on methodologies, recommended practices, and guidelines for measuring sustainability. Hear the latest on environmental management systems. In addition, hear presentations on two new concrete tools under APTA's Standards Program: the methodology for measuring GHG emissions for transit agencies and the Transit Sustainability Guidelines.

Moderator:

**Eric Hesse**, strategic planning analyst, Office of the General Manager, Tri-County Metropolitan Transportation District of Oregon (TriMet), Portland, OR

Speakers:

**Susan Borinsky**, associate administrator, Office of Planning and Environment, Federal Transit Administration, Washington, DC

**Gary Prince**, senior project manager, King County Department of Transportation, Seattle, WA

**Tian Feng, FAIA, FCSI**, district architect, San Francisco Bay Area Rapid Transit District, San Francisco, CA

**12 noon - 1:45 p.m.  
Grand Ballroom A**

**Luncheon:**

**Transit Leaders Roundtable**

*What's on the Horizon and Workshop Wrap Up*

Discuss with industry leaders how sustainability is changing the view of the “bottom-line”, the way business is done and the role and image of transit as a whole. What is on the horizon for the transit industry when it comes to sustainability, and what does it mean for workforce development, partnerships and organizational culture? What can we conclude from this workshop?

Panelists:

**Kevin Desmond**, general manager, King Country Metro Transit Division/Department of Transportation, Seattle, WA

**J. Barry Barker**, APTA Vice-Chair, Government Affairs, and executive director, Transit Authority of River City (TARC), Louisville, KY

**Tim Fredrickson**, general manager, Ben Franklin Transit, Richland, WA

**Susannah Kerr Adler**, vice president, manager – Architecture & Buildings Resource Center, Parsons Brinckerhoff, Washington, DC

**Lawrence Yermack**, president, Telvent USA, Rockville, MD

**Fred Hansen**, general manager, Tri-County Metropolitan Transportation District of Oregon (TriMet), Portland, OR

**2 – 3:30 p.m.**  
**Alpine Ballroom**

**Putting the APTA Sustainability Commitment into Practice**

**Peer Exchange Session with Signatories to the APTA Sustainability Commitment**

Hear from APTA members who have signed onto the pilot phase of the APTA Sustainability Commitment. What have they achieved so far, and what goals have they set for the future? What has been the experience with the commitment so far, and what are the benefits for members to signing on?

**3:30 – 5 p.m.**  
**Alpine Ballroom**

**Sustainability in Action Tours**

**Tour 1: Blueprint Jordan River  
Preserving a Natural Waterway in an Urban Environment**

In 2008, Envision Utah began a public process to plan the future of the Jordan River, a 40 mile waterway that passes through the center of three of Utah's most urbanized counties. The result of that public planning process is a blueprint that meets the public goals of preservation of wild areas and habitat; enhancing recreational access for walking, biking, canoeing, and group activities; and building community through regional activity centers. Travel to Gardner Village, one of the regional activity centers to hear about the Blueprint Jordan river process, plans to create a river authority, and plans for public transit connections to the river corridor. The tour will take approximately two hours from the conference hotel and back and will include a short walk along the Jordan River trail.

*(This tour will meet in the hotel lobby at 3:30 p.m. and will travel by bus to Gardner Village. This tour is expected to take 1 ½ - 2 hours.)*

**Tour 2: City Creek Center  
Live, Work, Shop in Downtown Salt Lake City**

Located across the street from both the Salt Palace Convention Center and Temple Square, City Creek Center is a walkable, sustainably-designed urban community of residences, offices and retail stores in downtown Salt Lake City. This premier development – which includes 700

residential units, 1.6 million square feet of office space, 900,000 square feet of retail space, a grocery store, a hotel, a light rail line running through it, and a creek with a living ecosystem – will rise over the next four years on nearly 20 acres across three city blocks. When completed in 2012, Salt Lake will be one of the few cities in the nation with a vibrant, mixed-use development at its core. Officials from the City Creek development will provide an exciting overview of the project from the 13th floor of Eagle Gate Tower, overlooking the site which is in full construction mode.

*(This tour will meet in the hotel lobby at 3:30 p.m. and travel by TRAX light rail and a short walk to Eagle Gate Tower. This tour is expected to take 1 ½ - 2 hours.)*

## **Wednesday, August 5**

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**8 a.m. – 5 p.m.**

**APTA Climate Change Working Group**

UTA FrontLines Headquarters  
200 S. 669 West, Salt Lake City, UT  
Contact: **Ed Buchanan**, UTA

**APTA Sustainability Guidelines Working Group**

UTA FrontLines Headquarters  
200 S. 669 West, Salt Lake City, UT  
Contact: **Ed Buchanan**, UTA

**APTA Urban Design Working Group**

Topaz Room, Hilton Hotel