Air Quality Improvements: Proactive Transportation Related Strategies Wasatch Front Regional Council Air Quality Committee

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Transportation Related Strategy - Description	Parties Primarily Responsible for Implementation	Relative AQ Benefit Low, Medium, High	Timing Immediate, Ongoing 1-2 years 3-10 years	Relative Implementation Cost O (or Existing \$) \$, \$\$, \$\$	Implementation Challenges (Political & Technical) Easy, Moderate, Hard	End User Impacts Positive, Neutral, Negative	Comments
1 - Operational							
1a. Signal Coordination - double current efforts/transit priority	UDOT/Municipal	Н	3-10 yrs	\$\$	Moderate	Positive	Incremental benefits.
1b. Dynamic Speed Control ("go slow to go fast") - target two freeway projects	UDOT	М	1-2 yrs	\$\$	Easy	Positive	Benefits peak traffic only.
1c. Park and Ride - implement UTA's current plans	UTA/UDOT/Municipal	М	3-10 yrs	\$\$	Moderate	Positive	Could expand to private lots.
1d. HOV/HOT lanes - opportunities for expansion	UDOT	М	3-10 yrs	\$\$\$	Hard	Positive	Benefits peak traffic only.
1e. Paved Shoulders - open to buses/general traffic during peak periods	UDOT	L	1-2 yrs	\$\$	Moderate	Positive	Limited opportunities.
2 - Behavioral Changes							
2a. Teleworking/Video-Teleconferencing	Employers	M	Immediate	0	Moderate	Positive	Participation rate determines benefits
2b. Flextime	Employers	M	Immediate	0	Easy/Mod.	Positive	Participation rate determines benefits
Public Education Campaigns (e.g., driving habits, trip chaining, idle reduction,	Employers	101	mmediate	Ü	Edsy/ Wiod.	1 0311140	Tartelpation rate actermines benefits
2c. jackrabbit starts, Clear the Air Challenge)	Shared	М	Immediate	\$	Easy	Positive	Participation rate determines benefits
2d. Drivers Ed Curriculum (e.g., driving habits, Malfunction Indicator Light)	State	M	1-2 yrs	\$	Moderate	Positive	Participation rate determines benefits
2e. Red/Yellow Air Quality Alerts	State (DAQ)	M	Immediate	\$	Moderate	Positive	Participation rate determines benefits
3 - Alternative Transportation Modes	State (BAQ)	141	iiiiiicalate	Ÿ	Wioderate	1 0311140	rarticipation rate determines benefits
3a. Increase Transit Utilization - Level of Service	UTA	Н	1-2 Yrs	\$\$\$	Hard	Positive	
3b. Increase Transit Utilization - Infrastructure	UTA	Н	3-10 Yrs	\$\$\$	Hard	Positive	
3c. Increase Ridesharing (vanpools, carpools, car sharing)	UTA	M	1-2 yrs	\$\$	Moderate	Positive	Rideshare reduces CO2 by 84% vs. SOV.
5C. Hicrease Ridesharing (Varipools, Carpools, Car Sharing)	UTA	IVI	1-2 yıs	۶۶	Moderate	Positive	Long-term urban design; health benefits;
3d. Pedestrian & Bicycle Network Development	Shared	М	3-10 yrs	\$\$	Moderate	Positive	incremental benefits.
3e. Increase Transit Utilization - Fare Structure	UTA	L	Immediate	\$	Easy	Positive	
4 - Financial Mechanisms							
4a. User Fees, eg, parking, registration, fuel tax, HOT fees	Legislature/UDOT/Cities	Н	1-2 yrs	0	Hard	Negative	Incremental benefits & impacts
4b. Diesel Retrofit - leverage federal funds	DAQ/Shared	Н	Immediate	\$\$\$	Moderate	Neutral	
4c. Alternate Fuel Vehicle - tax incentives	State	i	3-10 Yrs	\$\$\$	Moderate	Positive	Incremental benefits
4d. Scrappage Program - pre-1996 personal vehicles; heavy duty trucks & equip.	State	l -	1-2 yrs	\$\$\$	Hard	Neutral	Potential fraud, hard to administer
5 - Land Use Development							
5a. Sustainable/Transit Oriented Development	Shared	Н	3-10 Yrs	\$\$\$	Hard	Positive	Long-term urban design
Land Use Management (e.g. zoning, urban containment, incentive based	Sharea		3 10 113	ېږې	Haru	1 OSITIVE	and term droam design
5b. development, walkable communities, infill, redevelopment)	Municipal/Shared	Н	3-10+ yrs	\$\$\$	Hard	Positive	Long term infrastructure savings.
6 - Vehicle Efficiency & Technology	with the span shared		3 20 7.3	777	Tiuru	1 OSICIVE	and a series of the series of
Vehicle Emission Testing - expand to Cache, Box Elder, Tooele; include diesel		ı					
	DAQ/Counties	М	3-10 Yrs	\$	Moderate	Negative	
6a. passenger cars 6b. Improved Car and Truck Emission Technology - clean car emission standards	State	M	3-10 Yrs	\$	Hard	Negative	Marginally increase cost to consumer.
6c. Truck Stop Electrification	State/Fuel Industry	M	3-10 Yrs	\$\$	Moderate	Neutral	Localized benefits from reduced idling.
oc. Track Stop Electrification	State/Tuel Illuustiy	IVI	2-10 112	çږ	iviouerate	inculiai	Grant and loan programs in place to assist with
6d. Commercial Fleet Upgrades - Alternative Fuels	State/Fleet Operators	М	Immediate	\$\$\$	Moderate	Neutral	cost
	,			, , , ,			UTA's bus replacement plan will reduce emissions
6e. Improved transit bus emission technology	UTA	L	Immediate	\$\$	Moderate	Neutral	of NOx and PM 80% by 2015.
6f. Stage II vapor recovery	State/DAQ	L	3-10 Yrs	\$\$\$	Hard	Negative	On-board vapor recovery required since 2000
Strategies shown in shaded rows are those strategies prioritized by the AQC and the WFRC.							