

# **Transportation Improvement Program**







# Transportation Improvement Program is . . .

1. Six Year Program of Highway & Transit
  - Four Years Funded - Two Years Concept
2. In the Urban Areas
  - Salt Lake/ West Valley - Ogden/ Layton
3. Funded by
  - Federal, State, & Local Programs
4. For All Cities, Counties, UDOT & UTA



# Transportation Improvement Program will . . .

1. Implement the Long Range Plans
  - Highway, Transit, & Active Transportation Projects for the Region
2. Help Meet the Short Range Needs
  - Of the Wasatch Front Area
3. Provide for the Maintenance
  - Of the Existing Transportation System



# Transportation Improvement Program's Dynamics . . .

1. Periodic Modifications due to
  - Project Timing & Funding Amounts
2. Modifications Require Board Action
  - WFRC or Trans Com as Delegated
3. Updated Annually with
  - New Projects/ Funding Strategies



## Transportation Improvement Program - Today . . .

- 6a. Report on Approved Board Modification
  - Trans Com – April 19, 2018
  
- 6b. Approve New Board Modification
  - To the 2018-2023 TIP
  
- 6c. Review New Projects
  - To Be Included in the Draft Programs
  - STP, CMAQ, and TAP
  - *for the* Draft 2019-2024 TIP

# 6a - 2018-2023 TIP Board Modification

Report on  
Trans Com Meeting  
April 19, 2018

## 2018-2023 Transportation Improvement Program (TIP) (Amendment Six)

### Board Modification

#### Project Scope Change

##### Salt Lake/ West Valley Urban Area

County	Sponsor	Facility	PIN	Project Location	Concept/ Type of Improvement	Funding Source	Project Estimated Cost	Currently Funded Amount	Action	Funding Amount	Year
Salt Lake	Salt Lake City	Var	13631	Bike Share Expansion	- Original Scope - Construct Additional Bike Docking Stations and Purchase Additional Bikes - Scope Change to include the Purchase of a Re-balancing Vehicle	TAP_URB_WFRC (Transportation Alternatives Program - (WFRC))	\$150,000	\$150,000	<i>No Funding Increase</i>	<b>\$150,000</b>	2018

This request is to enable SLC Bike Share to use some of the TAP funds to purchase a rebalancing vehicle in addition to the construction of the new bike stations and the purchasing of additional bicycles. The existing vehicle used by SLC Bike Share is an old renovated repurposed UTA van and is long overdue for replacement. The existing vehicle is experiencing mechanical issues and is too small to adequately perform the duties required for rebalancing the bike share stations. The vehicle holds approximately eight bicycles, and is responsible for aiding bike share staff in rebalancing 33 stations and over 300 bicycles in the system. This poses a hardship on staff time and budget constraints, as many of the stations need upwards of 10 to 15 bicycles removed and reallocated at peak times.

#### New Project

##### Ogden / Layton Urbanized Area

County	Sponsor	Facility	PIN	Project Location	Concept/ Type of Improvement	Funding Source	Project Estimated Cost	Currently Funded Amount	Action	Funding Amount	Year
Box Elder	UDOT	I-84	16666	I-84; Fence Repairs in Box Elder County	Replace damaged or missing fence along I-84	STP_FLX_ST (STP Flexible (Any Area) Statewide)  Transportation Solutions Program (UDOT Region One TSP Balance)	\$900,000	\$0	<i>New Funding</i>	<b>\$900,000</b>	2018

There are several locations along I-84 in Box Elder County between milepost 20 and milepost 42 where the fence placed with the original construction of the Interstate has fulfilled its service life. Many of these sections potentially allow both wildlife and livestock to enter the right of way. The proposed improvements will replace the existing fence with new fence in coordination with Utah Division of Wildlife Resources (DWR) the fence will be replaced with Deer Fence in prioritized locations. The requested funds will come from Region One's Transportation Solutions Program's unfunded balance.

#### Additional Funding

##### Ogden / Layton Urbanized Area

County	Sponsor	Facility	PIN	Project Location	Concept/ Type of Improvement	Funding Source	Project Estimated Cost	Currently Funded Amount	Action	Funding Amount	Year
Weber	UDOT	SR-134	12508	SR-134 (2700 North); Interchange Modifications	Construct additional lanes on 2700 North	HSIP (Highway Safety Improvement Program)  STP_FLX_ST (STP Flexible (Any Area) Statewide)  Transportation Solutions Program (UDOT Region One TSP Balance)	\$8,200,000	\$6,200,000	<i>Additional Funding</i>	<b>\$2,000,000</b>	2018

The funded scope of the project is to provide additional lanes on SR-134 to help increase operations around the SR-134 and I-15 Interchange. Operations are improved by adding an additional lane east and west bound on SR-134 from I-15 to Rulon White. The additional funds will provide a mill and fill to remove the existing seal coat and place a new one that aligns with the proposed lane lines. The additional funding would come from the Region One's 2018 Transportation Solutions Program's unfunded balance.

## 2018-2023 Transportation Improvement Program (TIP) (Amendment Six)

### Board Modification

#### Additional Funding

##### Ogden / Layton Urbanized Area

County	Sponsor	Facility	PIN	Project Location	Concept/ Type of Improvement	Funding Source	Project Estimated Cost	Currently Funded Amount	Action	Funding Amount	Year
Davis	UDOT	I-15	16124	I-15; 200 North Kaysville Southbound Ramp	Widen the South-bound on Ramp	NHPP_IM (National Highway Performance Program - Interstate Maintenance)	\$850,000	\$500,000	<i>Additional Funding</i>	<b>\$350,000</b>	2018

The Region request approval to add funding to the I-15; 200 North Kaysville South Bound Ramp Meter project. The additional funds are need to provide sufficient ramp widening to provide adequate storage for the ramp meters to avoid backing onto 200 North. The requested funds are available from unprogrammed balance in the Region One Transportation Solutions Program.

##### Salt Lake/ West Valley Urban Area

County	Sponsor	Facility	PIN	Project Location	Concept/ Type of Improvement	Funding Source	Project Estimated Cost	Currently Funded Amount	Action	Funding Amount	Year
Salt Lake	UDOT	SR-154	12566	Bangerter Highway Interchanges at (5400 South, 7000 South, 9000 South, and 11400 South)	Replace existing signalized intersections with grade-separated interchanges	L_Betterment (Local Government - Betterment CO-OP)	\$214,171,462	\$201,371,462	<i>Additional Funding</i>	<b>\$12,800,000</b>	2018
						ST_TIF (State Transportation Investment Funds)					

The current funding allocated for this project was based on replacing existing four signalized intersections at 5400 South, 7000 South, 9000 South and 11400 South with freeway-type Interchanges. The cost of the project increased is based on (1) current real estate market value – Right-of-way acquisitions have increased by \$6M and (2) construction costs due to complexity of the four interchanges dealing with utilities. (i.e. The Bureau of Reclamation (BOR) 78-inch water aqueduct and the high transmission Rocky Mountain Power lines) totalling more than \$6.8 million. The request for the additional funding will come from unprogrammed Transportation Investment Funds (TIF).

Salt Lake	UDOT	SR-68	11203	SR-68; Redwood Road, Bangerter Highway to 12600 South	Widen to a 7-lane facility	L_Betterment (Local Government - Betterment CO-OP)	\$47,563,060	\$37,863,060			2018
						ST_CONCEPT_D2 (Region Two Concept Funds)					
						ST_Signals (State Construction - Signal Program)					
						ST_TIF (State Transportation Investment Funds)					
								<i>Additional Funding</i>	<b>\$9,700,000</b>		

This project was originally scoped and funded as a 5-lane cross section. Based on the traffic analysis during the project design, 7 lanes were ultimately needed to accommodate the projected increased capacity needs on Redwood Road. It was also determined that 2 intersections would need to be re-aligned and signalized for safety reasons and were included with the project. The project cost increase was a result of the expanded project scope and right of way negotiations extending the construction of the project into 2018.

## 2018-2023 Transportation Improvement Program (TIP) (Amendment Six)

### Board Modification

#### Additional Funding

#### Ogden / Layton Urbanized Area

County	Sponsor	Facility	PIN	Project Location	Concept/ Type of Improvement	Funding Source	Project Estimated Cost	Currently Funded Amount	Action	Funding Amount	Year
Weber	UDOT	I-84	14264	I-84 bridges over the Weber River and UPRR Project	Bridge Replacement	NHPP_BR (National Highway Performance Program - Bridge On)	\$36,000,000	\$16,800,000	<i>New Funding</i>	\$19,200,000	2021-2023
					Transportation Solutions Program (UDOT Region One TSP Balance)						

This project was approved for \$16,800,000 in 2020. A feasibility study was recently completed for these two bridges to determine best strategy for replacement. The outcome of the study indicated a need for more funding. This Request is to increase the project value to \$36,000,000, and to cash flow the funding over three years; \$5,000,000 in 2021 for design, \$15,500,000 in 2022 for first year of construction, and \$15,500,000 in 2023 for the second construction season. The additional funding is available from unprogrammed efficiency balance within the Structures program, \$6.58 million, and \$1.55 million from the Statewide Transportation Solutions program.

#### Statewide

County	Sponsor	Facility	PIN	Project Location	Concept/ Type of Improvement	Funding Source	Project Estimated Cost	Currently Funded Amount	Action	Funding Amount	Year
Var	UDOT	Var	9369	The Bridge Inspection Program Various Locations across the State	The Bridge Inspection Program	STP_FLX_ST (STP Flexible (Any Area) Statewide)	\$10,269,673	\$0	<i>New Funding</i>	\$2,200,000	2018-2021
					NHPP_BR (National Highway Performance Program - Bridge On)	\$3,456,000					
					STP_Bridge (Surface Transportation Program - Bridge for State Projects)	\$4,544,000					
					Bridge_On/Off (Bridge Rehab/ Replacement (On/Off))	\$69,673					

Request to add \$400,000 for each of the years 2018 through 2021 to account for an increase in inspection costs due to inflation and due to additional condition-based-inspection requirements. Additionally, request to add an additional \$600,000 in the year 2019 for the Underwater Bridge Inspection Program which is required by FHWA every five years. This would add a total of \$2.2 million to this program.

Var	UDOT	Var	9615	The Structural Load Rating Maintenance Program Various Locations across the State	The Structural Load Rating Maintenance Program	NHPP_BR (National Highway Performance Program - Bridge On)	\$1,330,000	\$400,000	<i>New Funding</i>	\$900,000	2019-2021
					ST_Bridge (State Construction Bridge Program)	\$30,000					

Request to add \$300,000 for each of the years 2019 through 2021 to account for additional load ratings needed for emergency vehicles as mandated by FHWA and additional load ratings that are necessary as bridge conditions change due to aging. This would add a total of \$900,000 to this program.

## 2018-2023 Transportation Improvement Program (TIP) (Amendment Six)

### Board Modification

#### Project Scope Change

##### Ogden/ Layton Urban Area

County	Sponsor	Facility	PIN	Project Location	Concept/ Type of Improvement	Funding Source	Project Estimated Cost	Currently Funded Amount	Action	Funding Amount	Year
Weber	UDOT	SR-53	14263	24th Street (SR-53) - Viaduct Rehabilitation in Ogden Project	24th Street Viaduct Rehabilitation	ST_Bridge (State Construction Bridge Program)	\$9,550,000	\$12,152,000	<b>Funding Reduction</b>	<b>\$7,377,000</b>	2019-2020
						STP_BRIDGE (STP Bridge Funds for State Projects)		\$14,151,000		<b>\$9,376,000</b>	

This project was approved for \$26,300,000 in 2020. The original scope included a complete deck replacement. A recently completed feasibility study determined that a deck replacement is not necessary and the rehabilitation could be completed in a less expensive manner. Request is to reduce total project value to \$9,550,000, (a reduction of \$16.75 Million); with \$1,000,000 in 2019 for design and \$8,550,000 in 2020 for construction. \$1.55 million of the cost will be for an ADA ramp on the east side of the structure, using Statewide 2020 Transportation Solutions funds.

##### Salt Lake/ West Valley Urban Area

County	Sponsor	Facility	PIN	Project Location	Concept/ Type of Improvement	Funding Source	Project Estimated Cost	Currently Funded Amount	Action	Funding Amount	Year
Salt Lake	UDOT	SR-266	13800	Jordan River Bridge at SR-266 (4500 South) Project	Originally programmed to be Rehabilitated Recommended that the Bridge needs to be evaluated for replacement	NHPP_BR (National Highway Performance Program - Bridge On)	\$0	\$720,000	<b>Remove from Program</b>	<b>\$720,000</b>	2018

This rehabilitation project was funded for 2019 with \$720,000. Due to continued deterioration, this bridge needs to be evaluated for replacement rather than rehabilitation. Request is to remove from the STIP and evaluate for a replacement project in the appropriate year.

#### New Project

##### Salt Lake/ West Valley Urban Area

County	Sponsor	Facility	PIN	Project Location	Concept/ Type of Improvement	Funding Source	Project Estimated Cost	Currently Funded Amount	Action	Funding Amount	Year
Salt Lake	UDOT	I-80	New	I-80 at Glendale Ave	Sound Barrier	2018 State Legislative Session House Bill 2	\$1,700,000	\$0	<b>New Funding</b>	<b>\$1,700,000</b>	2018
Salt Lake	UDOT	I-80	New	5600 West (SR-172) & Paulette Ave	Sound Barrier	2018 State Legislative Session House Bill 3	\$550,000	\$0	<b>New Funding</b>	<b>\$550,000</b>	2018

During the 2018 State Legislative Session, House Bill 2 and 3 (New Fiscal Year Supplemental Appropriations Act, and Appropriations Adjustments), were passed. In these Bills it included language to use Transportation Funds to fund the following projects:

# 6b - 2018-2023 TIP Board Modification

Wasatch Front Regional Council

May 24, 2018

Ben Wuthrich

Wasatch Front Regional Council



WASATCH FRONT REGIONAL COUNCIL

## 2018-2023 Transportation Improvement Program (TIP) (Amendment Seven)

### Board Modification

#### New Programs and Projects

##### Statewide Programs

County	Sponsor	Facility	PIN	Project Location	Concept/ Type of Improvement	Funding Source	Project Estimated Cost	Currently Funded Amount	Action	Funding Amount	Year
Various	UDOT	Various	New	Various Statewide Programs	State Funded Programs	ST_GF (State General Fund)	\$167,400,000	\$0	<i>New Funding</i>	<b>\$167,400,000</b>	2019

The funding levels for the State Funded Programs are amended into the existing TIP each year in May prior to the State Fiscal Year which begins July 1. These programs include funding levels for; Operations & Safety Programs, System Preservation Programs, Region Contingency Funds, other programs, and Region Concept Development. (Please reference the attached table "Program Distribution of State Funds", for funding assignment and distribution.)

##### Statewide - Transportation Solutions Program

County	Sponsor	Facility	PIN	Project Location	Concept/ Type of Improvement	Funding Source	Project Estimated Cost	Currently Funded Amount	Action	Funding Amount	Year
Various	UDOT	Various	New	Transportation Solutions Program	Choke Point projects, Asset Management projects, and Transportation Priority Needs	Various Funds	\$69,455,000	\$0	<i>New Projects</i>	<b>\$69,455,000</b>	2018-2021

During the March 2018 Transportation Commission Staff Update meeting the Transportation Solutions Program and associated projects were discussed. This program incorporates into it the Choke Point Program as well as the Asset Management projects. During April 2018, the list of Transportation Solutions Projects was presented to the Transportation Commission for their review and approval to include in the 2018-2023 Statewide Transportation Improvement Program (STIP). Distribution of the funding throughout the State: Statewide \$25,350,000, Region One - \$ 8,250,000, Region Two - \$ 2,955,000, Region Three - \$ 29,550,000, Region Four - \$ 3,350,000  
(For specific projects please refer to the Transportation Solutions Project Tables)

##### Statewide - Recreational Hotspot Projects Program

County	Sponsor	Facility	PIN	Project Location	Concept/ Type of Improvement	Funding Source	Project Estimated Cost	Currently Funded Amount	Action	Funding Amount	Year
Various	UDOT	Various	New	Recreational Hotspot Projects	Alleviate congestion at various recreational hotspots	ST_TIF (Statewide - Transportation Investment Funds)	\$100,000,000	\$5,700,000	<i>Funding Distribution</i>	<b>\$94,300,000</b>	2018 - 2021

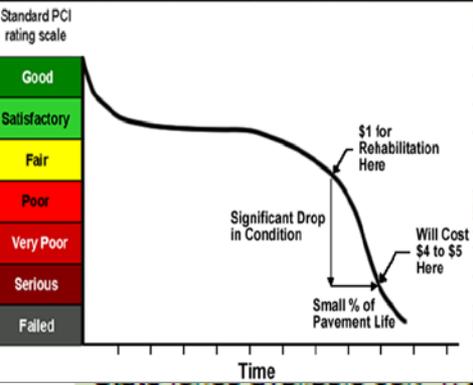
The Utah State Legislature has requested that UDOT use \$100 million on projects prioritized by the Transportation Commission that have a significant economic development impact associated with recreation and tourism, and alleviate congestion. Studies are currently underway or near completion, identifying the most effective solutions in this phase. The following improvements have been identified; Cottonwood Canyons - \$61,000,000, Zion Area - \$15,000,000, Moab Area - \$10,000,000, and Bear Lake Area - \$8,300,000.

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Reg	County	Pin	Project Name	Plan	Project Value	2018	2019	2020	2021
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019	Mod. Pin	2018	\$ 2,000,000	\$ 2,000,000	-	-	-
	ramp Wideni						
	5100 West						
	le Main Street						
	O'clock Drive						
	r to 1500 W)						
	(-215)						
	to Highland)						



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	-	-
	\$ 1,650,000	-
	\$ 23,700,000	\$ 0
	\$ 1,650,000	\$ 0

**\$ 8,300,000**

**Relocate the Marina entrance  
and improve and widen  
various roadways**



# Statewide – Recreation Hotspots Bear Lake Area, Moab Area, Zions, Cottonwood Canyons



**\$ 66,000,000**

**\$ 15,000,000**

**Transit from St. George to  
Springdale**



**\$ 10,000,000**

**Construct Downtown parking  
structure & improve surface  
parking lots**



## 2018-2023 Transportation Improvement Program (TIP) (Amendment Seven)

### Board Modification

#### New Projects

##### Tooele Valley RPO - CMAQ Projects

County	Sponsor	Facility	PIN	Project Location	Concept/ Type of Improvement	Funding Source	Project Estimated Cost	Currently Funded Amount	Action	Funding Amount	Year
Tooele	Tooele County	Var	16768	On-demand Transit Service	One Year of Operations (driver, dispatcher, vehicle, maintenance, and fuel)	CMAQ_Tooele (Congestion Mitigation/ Air Quality - Tooele)	\$250,417	\$0	<i>New Project</i>	<b>\$233,464</b>	2018

This project would provide for one year of operations by paying for a 3/4 time driver, 3/4 time dispatcher, a new vehicle, and for vehicle maintenance and fuel for one year. The federal CMAQ funds recommended are \$233,464 and the local match is \$16,953 for a total project cost of \$ 250,417.

Tooele	Utah Transit Authority (UTA)	Var	16769	Flex Route 402 Service	Operating costs for one year	CMAQ_Tooele (Congestion Mitigation/ Air Quality - Tooele)	\$128,714	\$0	<i>New Project</i>	<b>\$120,000</b>	2018
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This project would provide for one year of operations for the Flex Route 402 Bus route service in Tooele City. The federal CMAQ funds recommended are \$ 120,000 and the local match is \$ 8,714 for a total project cost of \$ 128,714.

Tooele	Grantsville	Durfee & Center Str	16770	West Durfee Sidewalk	Construct new sidewalk on west Durfee Street between Center Street and Cooley Street	CMAQ_Tooele (Congestion Mitigation/ Air Quality - Tooele)	\$222,199	\$0	<i>New Project</i>	<b>\$207,157</b>	2018
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This project would construct sidewalk on portions of Durfee Street and Center Street where it currently does not exist. The federal CMAQ funds recommended are \$ 207,157 and the local match is \$ 15,042 for a total project cost of \$ 222,199.

##### Salt Lake/ West Valley Urban Area

County	Sponsor	Facility	PIN	Project Location	Concept/ Type of Improvement	Funding Source	Project Estimated Cost	Currently Funded Amount	Action	Funding Amount	Year
Salt Lake	UDOT	I-215	New	I-215; 3900 South Interchange	Study - to determine improvements to the interchange	ST_TIF (Statewide - Transportation Investment Funds)	\$1,000,000	\$0	<i>New Project</i>	<b>\$1,000,000</b>	2018

This request is to begin looking at concepts and perform traffic modeling, environmental (EA) study and design for improvements at the 3900 South interchange, on the east side of the Salt Lake Valley.

Salt Lake	UDOT	Big and Little Cottonwood Canyons	16092	Parking Structure Location Study	Evaluate Locations for a Parking Structure	House Bill 3	\$500,000	\$0	<i>New Project</i>	<b>\$500,000</b>	2018
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House Bill 3 directed \$500,000 of General Funds be used to initiate a study for locating a parking structure in Salt Lake County (PIN 16092). UDOT will evaluate locations for a parking structure that will assist in increasing transit ridership, carpooling and vanpooling in the Big and Little Cottonwood Canyons area.

# Tooele County – Transit Service – Including - One Year Operations, Driver, Dispatcher, Vehicle, and Vehicle Maintenance & Fuel

## On-demand Transit Service for Tooele County

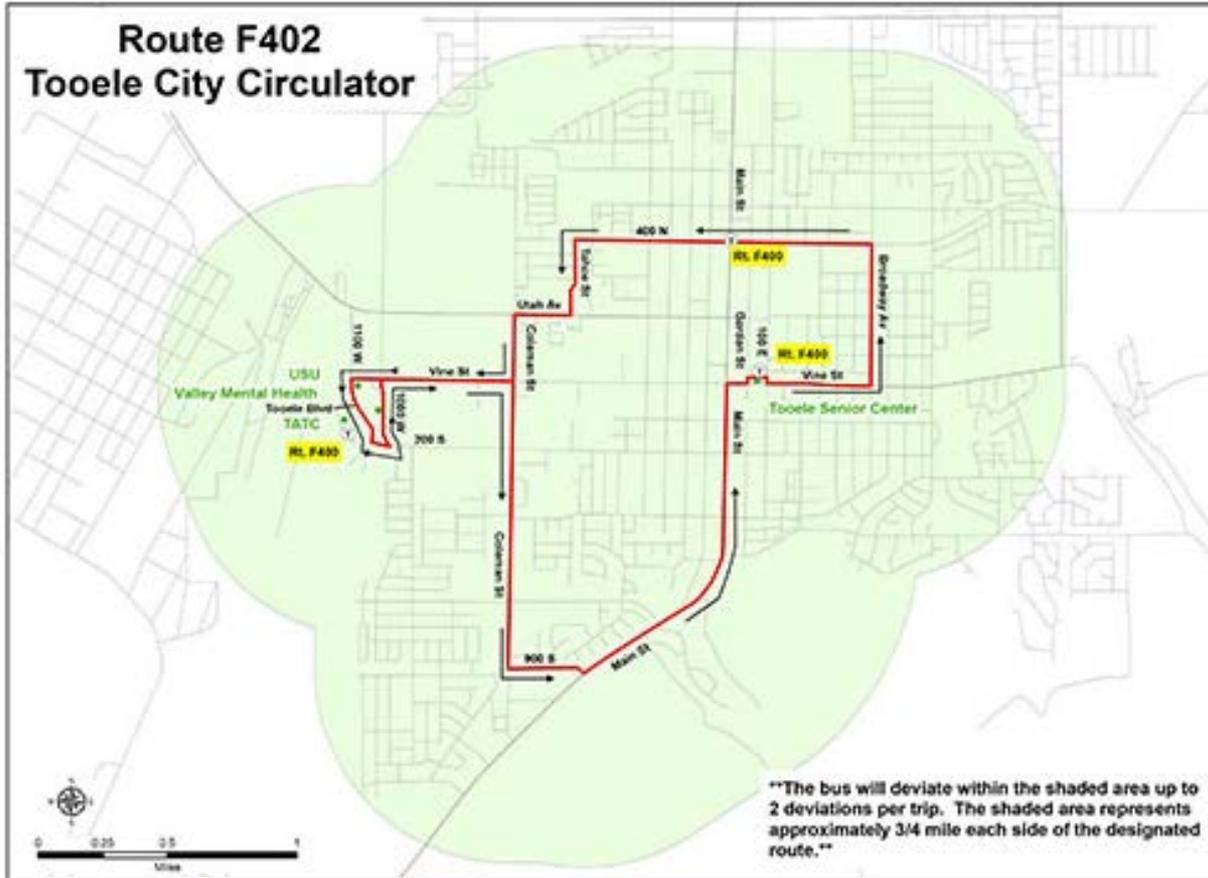


# Old & New F400 & F402

\*\*The bus will deviate within the shaded area up to 2 deviations per trip. The shaded area represents approximately 3/4 mile each side of the designated route.\*\*

# Tooele County – Transit Service – Operations for 1 Year One Year Operating Costs

## Route F402 Tooele City Circulator



\*\*The bus will deviate within the shaded area up to 2 deviations per trip. The shaded area represents approximately 3/4 mile each side of the designated route.\*\*



**Programmed Funding  
\$ 120,000**

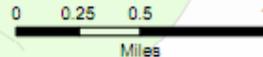
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**Total Project Cost  
Estimate \$ 128,714**

### Legend

- Current F400
- New F400
- New F402

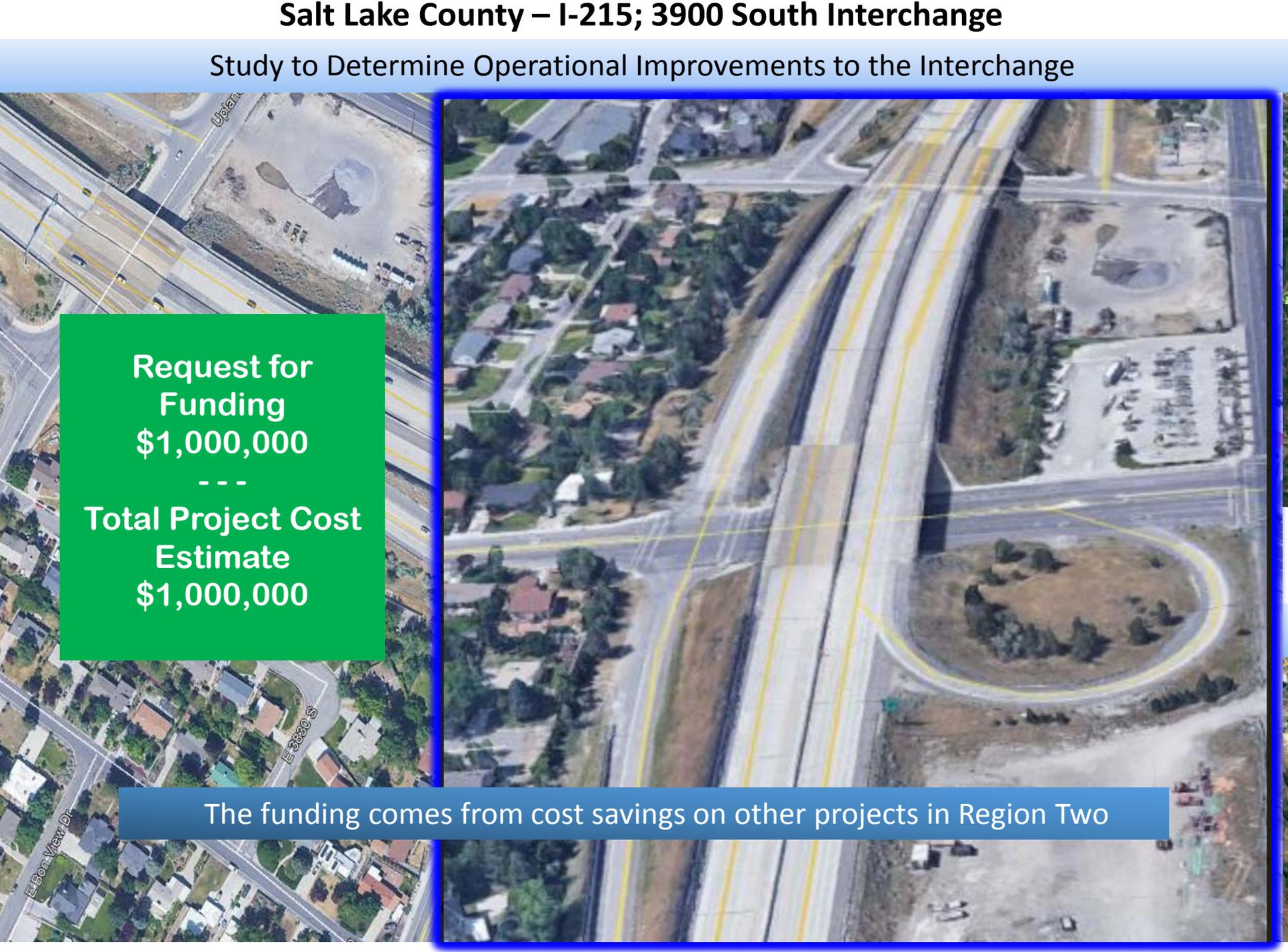
Effective Date August 31, 2015





# Salt Lake County – I-215; 3900 South Interchange

Study to Determine Operational Improvements to the Interchange



Request for  
Funding  
\$1,000,000

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Total Project Cost  
Estimate  
\$1,000,000

The funding comes from cost savings on other projects in Region Two

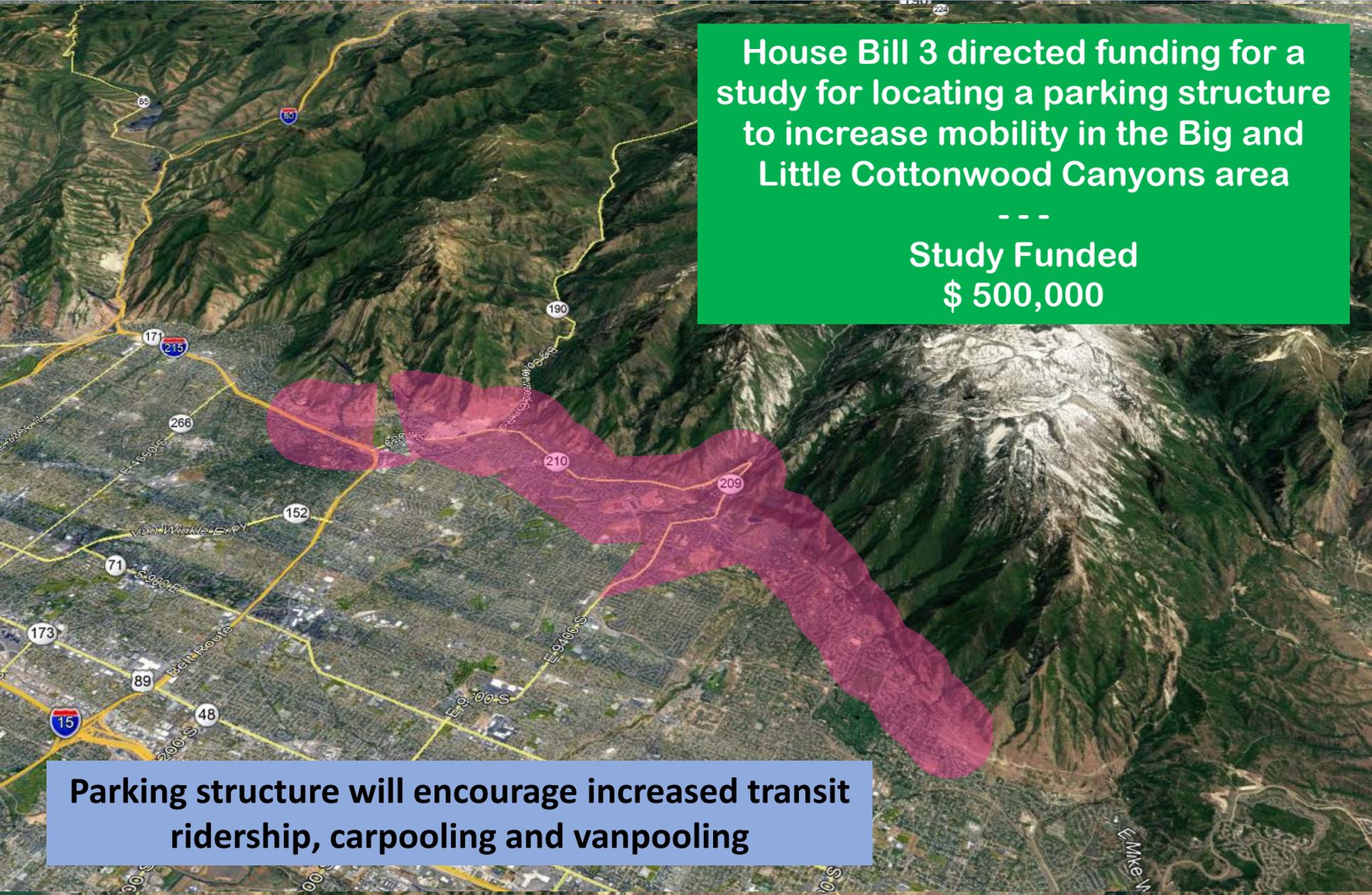
# Salt Lake County – Parking Structure Location Study

Evaluate Locations for a Parking Structure

House Bill 3 directed funding for a study for locating a parking structure to increase mobility in the Big and Little Cottonwood Canyons area

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Study Funded  
\$ 500,000

Parking structure will encourage increased transit ridership, carpooling and vanpooling





# Agenda Item – 6c

## Surface Transportation Program (STP) Congestion Mitigation/ Air Quality (CMAQ) Transportation Alternative Program (TAP) Projects Recommended

*for the*

**2019 - 2024 TIP**

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**Regional Council**

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May 24, 2018

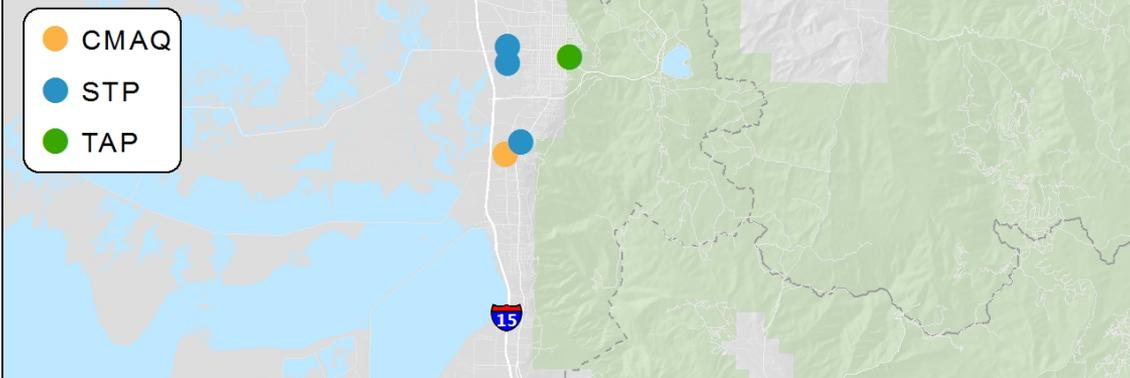


WASATCH FRONT REGIONAL COUNCIL

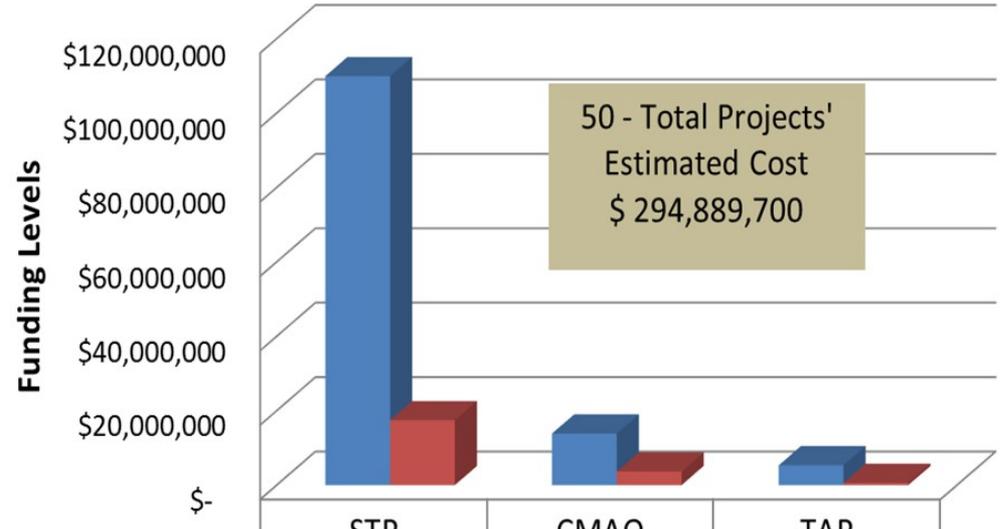
# Process for New Projects & The Draft TIP



- CMAQ
- STP
- TAP



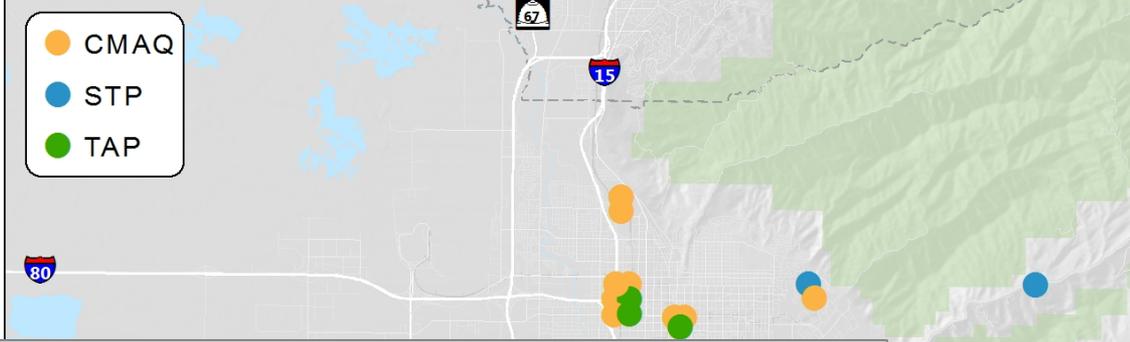
### Ogden/ Layton Urban Area



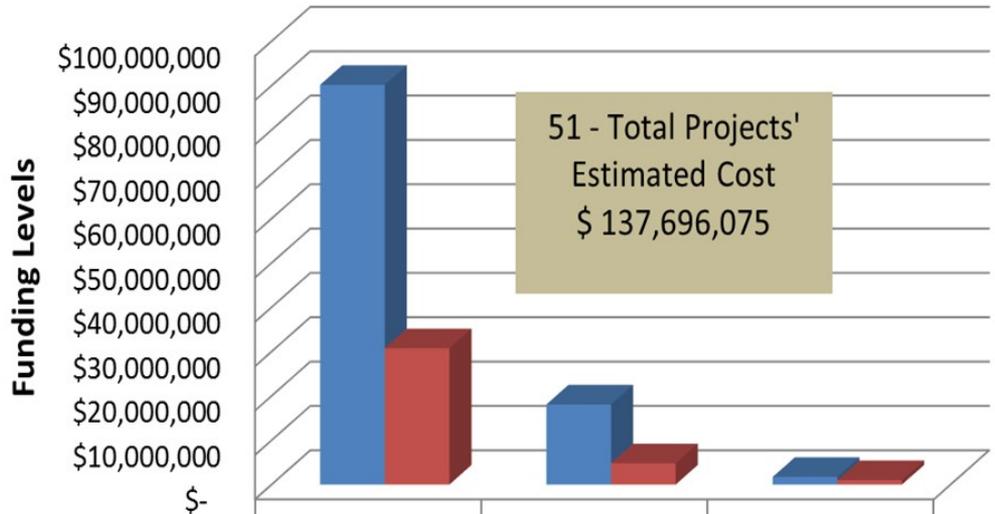
	STP	CMAQ	TAP
<span style="color: blue;">■</span> Requested	\$109,903,076	\$13,857,382	\$5,334,812
<span style="color: red;">■</span> Available	\$17,437,053	\$3,648,415	\$591,516



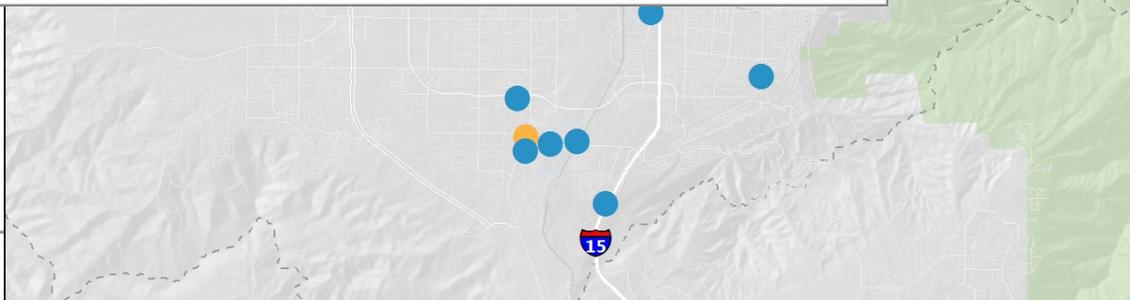
- CMAQ
- STP
- TAP



### Salt Lake/ West Valley Urban Area



	STP	CMAQ	TAP
Requested	\$90,153,643	\$18,067,271	\$1,720,897
Available	\$30,758,457	\$4,781,317	\$990,577



# The Evaluation Process

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- **Letters of intent, concept reports, field reviews:**  
All provide data for project evaluation and scoring
- **Other relevant professional considerations...**
- **Provide information and recommendations to the Technical Advisory Committees (TACs) to prioritize projects**
- **TACs recommend projects to Trans Com**
- **Trans Com review & recommend projects to WFRC**

# Resources for Project Selection

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- Distribution of Project Scores, such as:
  - Congestion
  - Access
  - Pavement condition
  - Safety
  - Emissions / Air quality
- Other relevant professional considerations, such as:
  - Field Review Comments
  - Equity of Funding
  - Sponsor's Project History
  - Project Synergy
  - Project Timing Efficiencies
  - Complete Systems
  - Project Costs





**STP Projects Submitted for Consideration for the 2019-2024 Surface Transportation Program (STP) Program**  
 Projects (Highlighted in Yellow) represent those projects Recommended by Trans Com

Recommended Funding	Sort	Sort	City	Agency	Project Name	From Street	To Street	Project Improvement Type of Project	Basic Class	Length	Description	Total Cost	Fed Fund	'09 ADT	'30 ADT	Sp Prior	Safety Score	Management Score	Cost Benefit Score	Dobay Reduction Score	Growth Principles Economic Inv.	Existing ADT Score	Operations, TSM, TDM, ITS, Imp	Traffic Growth Score	Existing Volume Capacity Score	Total Score	Weighted Total
\$0	1	STP 0 8	Knoxville City	Knoxville City	Sunset Drive	Old Mill Lane	Western Drive	Widening/Reconstruct	Collector	1.06	The project includes curb, gutter, sidewalk, and turning lanes with the widening of Sunset Drive from Old Mill Lane to Western Drive. Reduced risk, improved safety, and sidewalk consistency are a result of this project which is located in an area where there are three schools and heavy pedestrian and auto traffic.	\$1,412,000	\$1,200,000	2596	10000	1	5.0	25.0	12.0	0.0	3.6	0.0	4.0	6.0	0.0	40	55.6
\$0	2	STPO 4	Clinton	MDOT - Region 1	Dual Left Turn Lanes on SR-108 at 1800 N - Clinton	MP 7.4	MP 7.6	Intersections & Signals	Principal Arterial	0.2	This intersection is busy now and will be even more busy as both of these state routes are planned to be widened.	\$1,000,000	\$1,000,000	3000	4000	3	9.0	4.1	15.0	0.0	7.2	1.0	6.7	10.0	1.0	54.1	54.0
\$0	3	STPO 13	Syracuse	Syracuse City	500 West Street Phase 2	1800 South	2800 South	Widening/Reconstruct	Collector	0.76	Phase two of the 500 West project will complete the road widening from 1900 South to 2800 South, approximately one mile. A signalized intersection will be installed at 2700 South to increase safety and mobility on this important north-south collector.	\$3,711,800	\$1,600,000	4785	10000	1	6.0	25.0	12.0	0.0	3.6	0.0	3.3	4.0	0.0	38	53.9
\$1,051,921	4	STP 0 6	Farmington	Farmington City	SR-106 (Main Street) Improvements	Park Lane	Shepard Lane	Widening/Reconstruct	Principal Arterial	0.76	The proposed project is intended to improve drainage and add pedestrian facilities to the section of SR-106 (Farmington Main Street) between Park Lane and Shepard Lane on the east side of the road. The project will include storm drain, curb and gutter, sidewalk and pavement widening to allow for standard shoulder width.	\$1,066,000	\$1,051,921	7950	17000	1	4.0	21.0	16.0	0.0	5.2	0.0	3.3	4.0	0.0	42.2	53.5
\$1,000,000	5	STP 0 22	Ogden	Utah Transit Authority	Ogden-WSU BRT Construction	Ogden Intermodal	WSU/McKay Dee Hospital	Transit Capital	Trunk	6	The Ogden/Wabser State University BRT will provide premium service between the Ogden Intermodal and WSU/McKay Dee Hospital. The BRT will have 15 stations and operate on exclusive lanes from 30th and Harrison to the Dee Events Center. The O/M of this line comes from funds currently used on route 603 and Prop 1 sales tax.	\$75,000,000	\$6,000,000	27525	41000	2	4.0	2.0	16.0	0.0	7.0	2.0	10.7	10.0	1.0	50	52.7
\$4,100,000	6	STP 0 9	Knoxville City / Farmington	Knoxville City	Kayville/Farmington West Davis Connector	West Davis Corridor	Shepard Lane and I-15	New Construction	Collector	1.08	This project will construct a new road connecting the proposed Shepard Lane interchange on I-15 to the West Davis Corridor and Sunset Drive. This new roadway will provide mobility and access to these two major transportation corridors. With this being a new roadway, 200 North in Kayville was used for the traffic data.	\$10,813,600	\$10,100,000	9949	17000	2	8.0	4.6	6.0	0.0	19.0	0.0	9.0	6.0	0.0	52.6	52.6
\$0	7	STPO 5	Farmington	Farmington City	East Park Lane ROW Acquisition	Northwest Corner of SR 2255 and SR 106	310 West Park Lane	Reconstruction	Minor Arterial	0.019	The north side of SR 225 is fully improved from Main St. to Legion Dr. except for a 100' gap which requires asphalt, curb & gutter, sidewalk, and additional ROW at 328 West Park Lane. The project will improve the street on the north side, and provide pedestrian access from Legion Dr. to the bus stops on SR 106.	\$169,300	\$196,105	6025	10000	4	1.0	17.5	20.0	0.0	4.4	0.0	1.3	8.0	0.0	40.5	52.2
\$0	8	STPO 26	Washington Terrace	Washington Terrace City	300 West Reconstruction	5000 South	Washington Terrace / Riverdale Boundary Line	Reconstruction	Collector	0.7	300 West in Washington Terrace is used as a major alternate route between Riverdale Road and Washington Boulevard--in addition to carrying local traffic, bus traffic, and high school, middle school, and grade school vehicles. Current traffic volume is significantly heavier than the road was designed for, requiring excessive maintenance. This project includes complete reconstruction of the pavement section from the north City limits to 5000 South with an adequate load capacity, storm water conveyance improvements to reduce flooding, and some minor contour adjustments.	\$4,031,700	\$1,645,000	13960	20000	1	3.0	21.0	16.0	0.0	2.8	1.0	0.7	6.0	0.0	34.2	50.5
\$0	9	STP 0 7	Knoxville City	Knoxville City	Mutton Hollow	Main Street	Fairfield Road	Intersections & Signals	Collector	0.91	Knoxville City plans to reduce traffic congestion and increase safety and mobility for pedestrians and bicyclists by installing traffic signals at the intersections of Main St/Mutton Hollow and Fairfield/Mutton Hollow. These intersections are on critical transportation corridors to residents, businesses and schools.	\$6,278,000	\$1,000,000	12085	17000	3	5.0	5.0	12.0	0.0	10.4	1.0	12.0	4.0	0.0	49	49.4
\$4,000,000	10	STP 0 25	South Ogden City	South Ogden City	40th St. and Chimes View Dr Reconstruction Project	Riverdale Road	Washington Blvd.	Reconstruction	Minor Arterial	0.8	40th Street is a regional east-west corridor in Weber County that carries traffic to and from Weber State University, McKay Dee Hospital and shopping opportunities in Riverdale, South Ogden and Ogden City. The lower sections that will be improved as a part of this project are necessary in order for this corridor to be able to accommodate the increasing traffic.	\$4,176,100	\$1,421,950	10000	10000	1	1.0	15.0	20.0	0.0	3.2	3.0	0.0	6.0	1.0	37	49.2
\$0	11	STPO 21	Ogden	MDOT - Region 1	Dual Left Turn Lanes on Wall Ave at 20th St	MP 2.58	MP 2.75	Intersections & Signals	Principal Arterial	0.2	This project is to help improve traffic operations for NB traffic on Wall Ave to turn left onto 20th St which connects to I-15	\$2,300,000	\$2,000,000	21000	10000	4	9.0	3.7	15.0	0.0	7.2	2.0	4.0	8.0	0.0	49.7	48.9

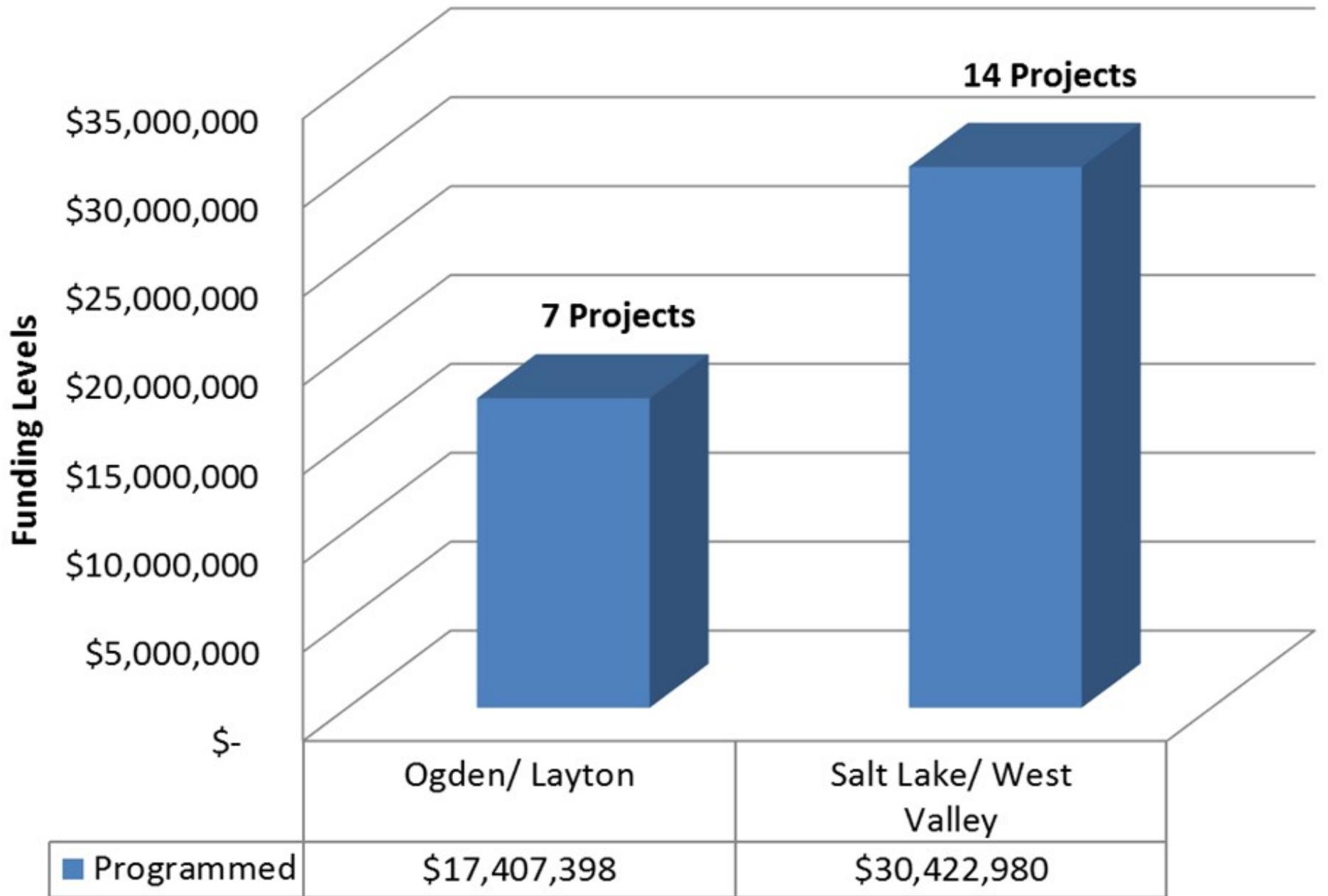
**STP Projects Submitted for Consideration for the 2019-2024 Surface Transportation Program (STP) Program**  
 Projects (Highlighted in Yellow) represent those projects Recommended by Trans Com

Recommended Funding	Sort	Sort	City	Agency	Project Name	From Street	To Street	Project Improvement	Type of Project	Trac Class	Length	Description	Total Cost	Fed Fund	VS ADT	'10 ADT	Sp Febr	Safety Score	Performance Management Score	Cost Benefit Score	Delay Reduction Score	Growth Potential Economic/Env.	Existing ADT Score	Operational/Task TDM, ITS Imp Score	Traffic Growth Score	Existing Volume/Capacity Score	Total Score	Weighted Total
\$0	12	SIP O 17	Harrisville City	Harrisville City Corporation	West Harrisville Road Widening	Highway 89	750 West	Widening	Reconstruct	Minor Arterial	0.578	This project will widen West Harrisville Road from Highway 89 to 750 West. This is a two lane road - one lane each direction with an inconsistent width of pavement. Widening the pavement to a consistent width would allow an additional lane for turning movements and increase safety and capacity.	\$1,297,000	\$1,423,872	9660	11000	1	4.0	21.0	16.0	0.0	4.0	0.0	0.7	2.0	0.0	33.2	47.7
\$1,223,364	13	SIP O 12	North Salt Lake	North Salt Lake	Main Street Reconstruction	Center Street	350 North Street	Reconstruction	Reconstruct	Collector	0.44	This portion of Main Street is very old and is in desperate need of attention. Patching of the potholes has become a constant task and the asphalt is falling. The project is also needed to accommodate increased future traffic, as significant and rapid redevelopment is occurring in and around this neighborhood.	\$1,137,200	\$1,223,364	1925	5100	1	4.0	17.5	16.0	0.0	5.2	0.0	2.7	2.0	0.0	38.5	47.4
\$0	14	SIP O 18	North Ogden	MOOT - Brigham	SR-235 (Washington Blvd) & SR-154 (2800 N)	Roughly 1000 ft from the intersection	South and West Legs	Intersection & Signals	Operations	Minor Arterial	0.05	This intersection is projected to operate at LOS E in 2024 and LOS F in 2040 during the PM peak hour with significant queuing if no improvements are made. To maintain acceptable operations at this location this project is proposed along with improvement to the North and East legs (by North Ogden City).	\$1,466,000	\$1,000,000	2285	2800	1	7.0	4.1	15.0	0.0	7.2	2.0	8.0	4.0	0.0	47.1	47.3
\$1,582,313	15	SIP O 1	Brigham City	Brigham City Corporation	1200 West Box Elder Creek Bridge Widening Project	850 South	850 North	Widening	Reconstruct	Collector	0.27	To widen an existing bridge on 1200 West over Box Elder Creek that will accommodate increasing traffic volumes from growing industrial and commercial uses. The project is part of planned improvements for 1200 West which will provide a north/south corridor between SR-13 in Brigham City and SR-315 in Willard.	\$1,790,000	\$1,582,313	1820	1400	1	2.0	13.0	16.0	0.0	4.0	0.0	1.3	10.0	0.0	38.6	46.3
\$0	16	SIP O 15	Woods Cross	Woods Cross City	800 West 1500 South Signal Project	800 W 1500 S Intersection	0	Intersection & Signals	Operations	Collector	0.2	800 W and 1500 S provide access for pedestrians, bicyclists, and vehicles to schools, Hogan Park, local businesses, City Hall, and other community buildings. Woods Cross plans to reduce traffic congestion and increase safety and mobility for all users by installing a traffic signal at the intersection of 800 W and 1500 S.	\$976,100	\$910,000	4125	10000	1	3.0	5.0	15.0	0.0	10.4	0.0	6.7	4.0	0.0	45	44.1
\$0	17	SIP O 20	Ogden	Ogden City	20th Street Reconstruction	Monroe Blvd	Harrison Blvd	Reconstruction	Reconstruct	Minor Arterial	0.625	20th Street has been on the RTP for nearly 2 decades. Structurally, the pavement is distressed and is rated as poor. Severe cross-slopes, deep gutters and antiquated storm drain inlets are out of standard and are liabilities. 20th is a "gateway road" into Ogden, an improved roadway would reflect well on the City.	\$5,471,100	\$4,694,508	7170	31000	2	4.0	15.0	12.0	0.0	5.2	0.0	4.0	2.0	0.0	37	42.2
\$0	18	SIP O 14	West Point	West Point City	300 North Widening	2000 West	3000 West	Reconstruction	Reconstruct	Collector	1	Widened to a three lane section and install curb, gutter and sidewalk. Provide turn lanes at all intersections	\$1,787,200	\$1,508,431	7900	10600	1	0.0	20.5	12.0	0.0	4.8	0.0	2.0	2.0	0.0	30.1	41.3
\$0	19	SIP O 16	Various	MOOT/OC	Connected Vehicle Infrastructure Deployment	Ogden/Layton Metro Area	Ogden/Layton Metro Area	ATMS or ITS	Operations	NA	Various	Continue to develop connected vehicle technology using vehicle to infrastructure systems to help maintain bus schedules. This project will utilize dedicated short range communication radio between traffic signals and UTA buses. This technique is intended to allow a bus that is behind schedule to request an extended green light cycle in order to help the bus maintain schedule.	\$1,200,000	\$1,124,000	20000	21000	1	0.0	0.0	15.0	0.0	2.4	2.0	16.0	4.0	0.0	36	39.4
\$0	20	SIP O 19	North Ogden City	North Ogden City	450 East / 400 East widening - Phase II	Elberta Drive	3300 North	Widening	Capacity	Minor Arterial	0.597	To widen the existing roadway from one lane of travel in each direction to two lanes in each direction. This is a major collector street in the City that receives and distributes traffic from other collector/arterial roads and does not currently provide the level of service necessary.	\$3,408,000	\$7,288,862	9265	35000	1	5.0	4.2	9.0	0.0	12.0	0.0	4.0	4.0	0.0	38.2	38.2
\$0	21	SIP O 2	Brigham City	Brigham City Corporation	1200 West Roadway Extension Project	Forest Street	750 South	New Construction	Reconstruct	Collector	1.08	Construction of about a one mile section of 1200 West between Forest Street and SR-81. The purpose of the project is to further the corridor connection between the 1200 West / SR-81 Intersection and Forest Street.	\$4,059,100	\$5,532,368	100	7200	2	0.0	18.5	8.0	0.0	4.8	0.0	0.0	6.0	0.0	27.7	37.3
\$0	22	SIP O 11	Layton	Brigham City Corporation	West Davis Corridor Connection	Gentile and Layton Parkway	West Davis Corridor	New Construction	Capacity	Collector	1.3	Construction of 2700 West from the West Davis Corridor (WDC) to Gentile Street and Layton Parkway from 2200 West to 2700 West will provide greater access and improve traffic flow for the area as well as provide economic benefits for the surrounding community by having additional travel routes to and from the WDC.	\$15,921,100	\$14,841,242	7220	30000	1	6.0	3.5	6.0	0.0	11.0	0.0	3.0	6.0	0.0	35.5	35.5

**STP Projects Submitted for Consideration for the 2019-2024 Surface Transportation Program (STP) Program**  
**Projects (Highlighted in Yellow) represent those projects Recommended by Trans Com**

Recommended Funding	Sort	Sort	City	Agency	Project Name	From Street	To Street	Project Improvement Type of Project	Func Class	Length	Description	Total Cost	Fedfund	'09 ADT	'10 ADT	Sp Pbr	Safety Score	Pavement Management Score	Cost Benefit Score	Daily Reduction Score	Growth Potential/Economic Imp	Existing ADT Score	Operational, TSM, ITS Imp Score	Trail Growth Score	Existing Volume/Capacity Score	Total Score	Weighted Total	
\$0	23	SIP O.27	West Haven	West Haven City	8600 South	8500 West	Midland Drive	Widening	Reconstruct	Collector	1.24	The project includes milling/filling. 8600 South is a collector road for West Haven City that continues to see increased use. The improvement proposed will increase driver and pedestrian safety. This project will connect to the recently completed improvements on both the east and west ends.	\$10,613,000	\$9,829,219	1700	5000	1	4.0	20.5	4.0	0.0	2.8	0.0	0.0	2.0	0.0	20.1	33.3
\$0	24	SIP O.23	Plain City	Plain City Corporation	North Plain City Road Project	3300 West	2800 West	widening	Reconstruct	Collector	0.89	This project will widen North Plain City Road between 3300 West and approximately 2800 West to the city boundary. The project will include adding shoulders, reconstructing the existing asphalt section, and adding road improvements such as curb, gutter and sidewalk.	\$7,160,000	\$6,962,418	1623	2600	1	3.0	20.5	0.0	0.0	3.6	0.0	2.0	0.0	0.0	19.1	29.1
\$0	25	STP O.24	South Ogden	MOOT - Region 1	US-89 & Skyline Dr Intersection	1000 ft from intersection	On South, North, and East Legs	Intersection & Signals	Operations	Collector	0.5	Additional green time is not available at this intersection. Dual left turn lanes can serve more traffic with less left turn green time on Skyline Dr. The existing auxiliary lane on US-89 is too short to make the lane attractive to drivers. Extending the auxiliary lane an additional 500 feet creates a more attractive lane, which evens out lane utilization through the intersection, improving operations.	\$2,315,600	\$1,900,000	3005	3200	2	6.0	4.1	3.0	0.0	7.2	0.0	5.3	0.0	2.0	28.1	27.6
\$0	26	STP O.10	Layton	Layton City Corporation	Antelope Drive Pedestrian Overpass	Approx. 700 West	650 West	Pedestrian	Other	Minor Arterial	0.04	With an ADT of nearly 30,000 vehicles per day, Antelope Drive proves dangerous for children ages 5 to 11 who make the north/south crossing to attend Lincoln Elementary at approximately 650 W. A pedestrian overpass will eliminate the daily risk that an estimated 385 students face at the Antelope Drive pedestrian crossing.	\$2,000,000	\$2,610,000	23535	20000	3	5.0	3.7	12.0	0.0	2.0	0.0	0.0	2.0	26.7	26.7	
\$0	27	STP O.1	Perry City	Perry City Corporation	Highway 89 Pedestrian Overpass	West side of 89	East side of 89	Pedestrian	Other	MA	0.106	The project will be to construct an overpass across Highway 89 at approximately 2500 south.	\$5,672,700	\$5,172,121	309	209	2	4.0	3.0	0.0	0.0	6.0	0.0	0.0	0.0	13	13.0	
\$500,000	0	OMAQ O.1	Davis & Weber Counties	Utah Transit Authority	UTA Locomotive Rebuild	130-128 W Center St, North Salt Lake, UT	2700 N Hwy 89, Pleasant View, UT	Other OMAQ	Transit	MA	38.9	UTA will be rebuilding 7 locomotive prime mover engines to EPA's standard of Tier 14 at a cost of \$400k per locomotive. This grant request is for the incremental cost to rebuild to Tier 24 which would reduce the emissions of criteria air pollutants (i.e. NOx, HC, CO and PM) by 18,965 kg annually.	\$1,400,000	\$1,305,270	8000	10000	3	0.0	0.5	16.0	0.0	13.0	0.0	0.0	0.0	25.5	29.5	
<b>\$17,407,398</b>												<b>Total Ogden/ Layton Urban Area STP Funds Available to Program for FY2024</b>					<b>\$17,437,053</b>											

# Surface Transportation Program (STP) Funds



## Surface Transportation Program (STP)

Agency	Project Name	Improvement	Funding Amount Recommended
Ogden/ Layton			
Farmington City	SR-106 (Main Street) Improvements	Roadway & Pedestrian Improvements	\$1,851,921
Utah Transit Authority	Ogden-WSU BRT Construction	New Construction	\$3,500,000
Kaysville City	Kaysville/Farmington West Davis Connector	New Construction	\$4,300,000
South Ogden City	40th St. and Chimes View Dr Reconstruction Project	Roadway & Pedestrian Improvements	\$4,000,000
North Salt Lake	Main Street Reconstruction	Roadway & Pedestrian Improvements	\$1,223,364
Brigham city Corporation	1200 West Box Elder Creek Bridge Widening Project	Widen Structure	\$1,582,113
Utah Transit Authority	UTA Locomotive Rebuild	Locomotive Upgrade	\$950,000

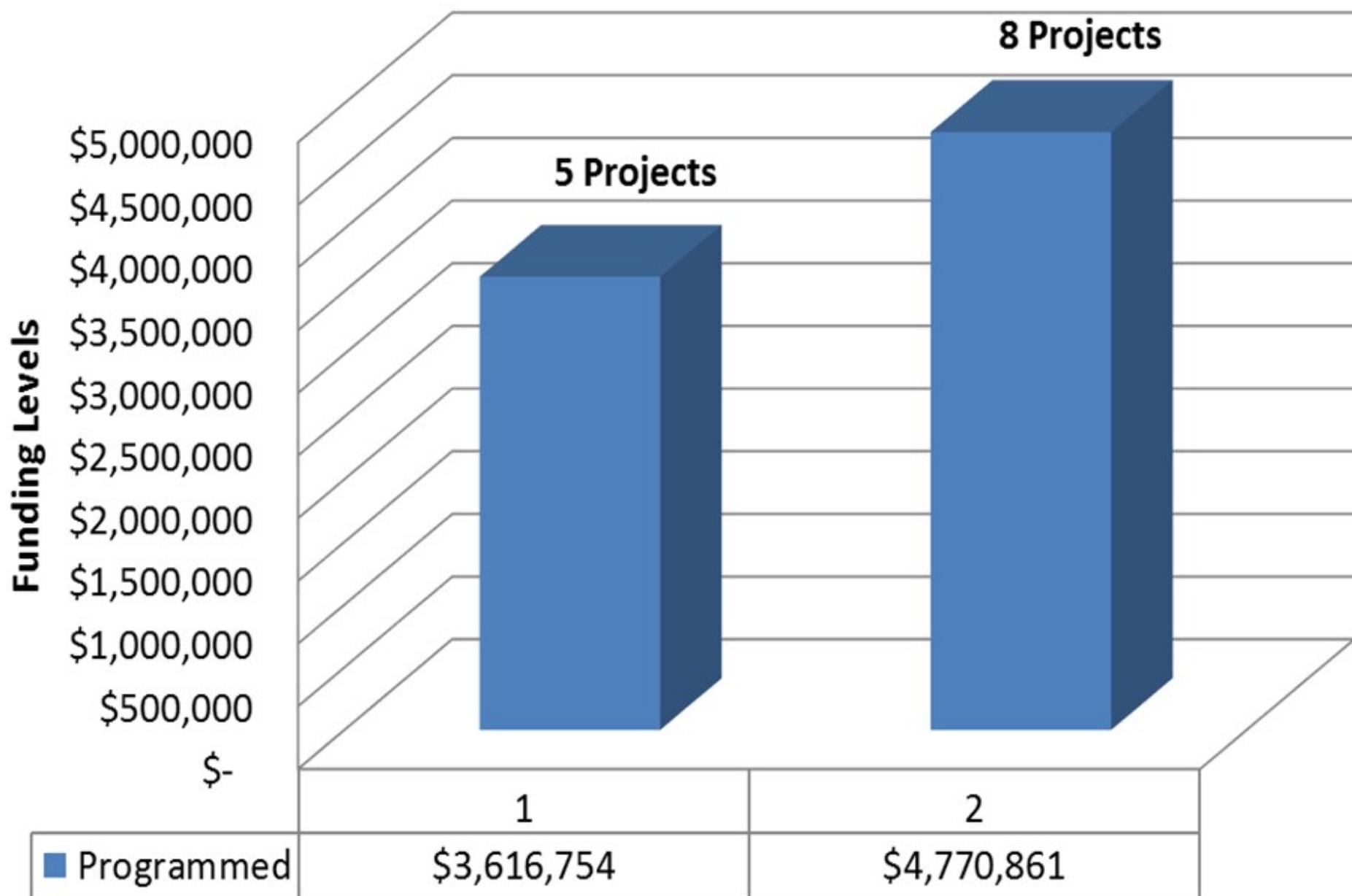
## Surface Transportation Program (STP)

Agency	Project Name	Improvement	Funding Amount Recommended
Salt Lake/ West Valley			
Sandy City/ UDOT	Monroe and SR-209 (90th S)	Intersection Improvements	\$4,200,000
West Jordan City	7000 South	Environmental Impact Statement	\$1,000,000
Draper City	1300 East	Roadway & Pedestrian Improvements	\$3,270,000
Salt Lake County/West Valley City	4700 South Reconstruction and Widening	Roadway & Pedestrian Improvements	\$4,500,000
Salt Lake City	1300 East/Richmond Street Reconstruction (Segment 2)	Roadway & Pedestrian Improvements	\$4,300,000
South Salt Lake	700 West Reconstruction; 3300 South to Carlisle Street (3655)	Roadway & Pedestrian Improvements	\$4,000,000
Bluffdale/ UDOT	14600 South Hi-T Intersection	Intersection Improvements	\$550,000
West Jordan City	7000 South and 1500 West Pedestrian Bridge	New Construction	\$1,499,977
Magna Metro Township	8000 West Roadway Improvements	Pedestrian Improvements	\$1,255,528
Bluffdale/ UDOT	14600 S Railroad Crossing	Feasibility Study	\$119,894
Millcreek City/ Holladay City	3900 S: 2300 East to Wasatch Blvd	Roadway & Pedestrian Improvements	\$4,000,000
Taylorsville	1780 BRT Connector Road	Transit Improvements	\$655,220
West Jordan City	8600 South Bridge over MVC	New Construction	\$700,000
Utah Transit Authority/ Salt Lake City	University of Utah Hospital Stop Expansion	Transit Improvements	\$372,361

**CMAQ Projects Submitted for Consideration for the 2019-2024 Congestion Mitigation/ Air Quality (CMAQ) Program**

Recommended Funding	AQ Rank	Project	Agency	Project Type	Short Description	Project Life	Annualized Emissions: (kg)/\$1,000	Reduced Daily VHT	Reduced Daily Emissions (kg)	Total Cost	Requested CMAQ \$
<b>Salt Lake/ West Valley Area</b>											
\$ 270,367	1	UTA - Vanpool Management-SL	Utah Transit Authority (UTA)	Vanpool Management	Manage 118 vanpools in the Ogden/Layton area.	1	195.953	1545.753	145.15	\$ 290,000	\$ 270,367
\$ 932,300	2	UTA - Locomotive Upgrade	Utah Transit Authority (UTA)	Locomotive Upgrade	Upgrade 5 FrontRunner locomotives from Tier 0 to Tier 3 emission standards.	10	129.079	0.000	35.36	\$ 1,000,000	\$ 932,300
\$ 55,938	3	UTA - Carpool Management-SL	Utah Transit Authority (UTA)	Carpool Management	Manage 141 carpools in the Ogden?Layton area.	1	123.665	187.519	18.95	\$ 60,000	\$ 55,938
	4	SLC - Transportation Mgmt. Organization	Salt Lake City	Transportation Mgmt. Organization	Salt Lake City Transportation Management Organization for Research Park and Redwood Road commercial area. Hire personnel to work with employers to promote carpools, vanpools, transit use, telecommuting, walking, and biking.	3	119.566	817.456	48.04	\$ 500,000	\$ 440,000
	5	14600 South & Redwood Road High -T Intersection	Bluffdale City	Intersection	Reconfigure the intersection to a "High-T" to allow more turn lane storage and eliminate long queues,reduce turning conflicts, and reduce overall delay.	5	58.301	299.452	17.57	\$ 600,000	\$ 550,000
\$ 400,000	6	SLC Bike Share (GREENbike) Expansion	Salt Lake City	Bicycle	Add 120 bikes to Green Bike operation with stations.	10	17.199	8.989	2.80	\$ 637,027	\$ 593,900
	7	Big Cottonwood Canyon - Park & Ride Improvements	Cottonwood Heights	Park & Ride	Reconfigure the bus access and operation at BCC Park & Ride. Replace some long term parking stalls with several pick-up/drop-off stalls. Add a pedestrian overpass.	30	9.128	0.000	2.02	\$ 6,415,800	\$ 2,424,726
	8	UTA - Bus Stop Improvements	Utah Transit Authority (UTA)	Bus Stop Upgrades	Bus stop enhancements, 20 locations.	10	5.616	9.299	2.22	\$ 1,440,000	\$ 1,342,512

# Congestion Mitigation/ Air Quality (CMAQ) Funds

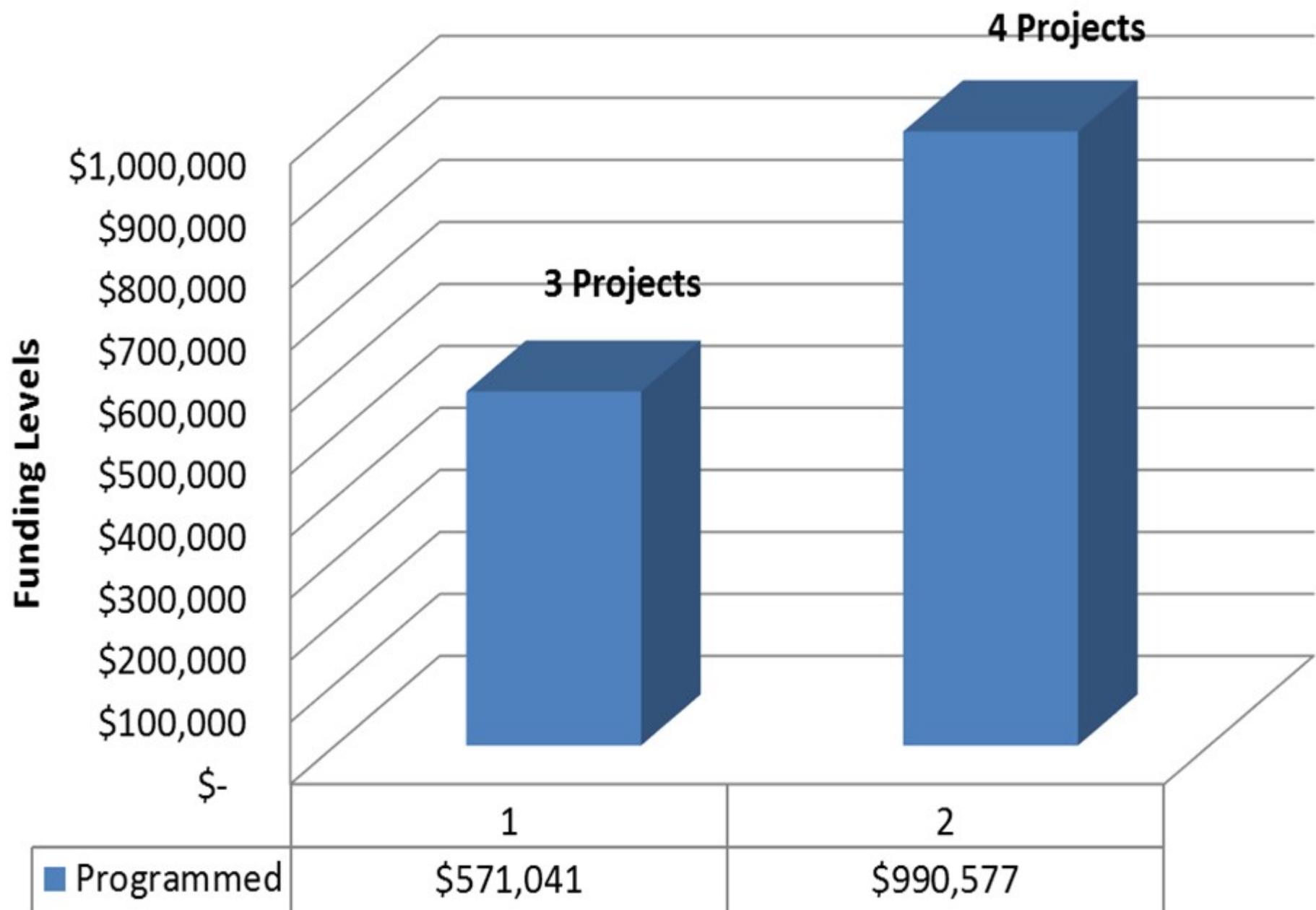


## Congestion Mitigation\ Air Quality (CMAQ)

Agency	Project Name	Improvement	Funding Amount Recommended
Ogden/ Layton			
Utah Transit Authority	Vanpool Management	Expansion	\$130,522
Utah Transit Authority	Carpool Management	Expansion	\$31,232
South Ogden/ UDOT	US-89 & Skyline Drive	Intersection Improvements	\$1,400,000
Ogden City	Polk Avenue; 36th to Franklin	Pedestrian Improvements	\$555,000
Ogden City/ UDOT	Wall & 20th Street	Intersection Improvements	\$1,500,000
Salt Lake/ West Valley			
Utah Transit Authority	Vanpool Management	Expansion	\$270,367
Utah Transit Authority	UTA Locomotive Rebuild	Locomotive Upgrade	\$1,000,000
Utah Transit Authority	Carpool Management	Expansion	\$55,938
Salt Lake City	GreenBike	Expansion	\$400,000
Murray/ UDOT	State Street & Vine	Intersection Improvements	\$290,411
Murray/ UDOT	State Street & 5300 South	Intersection Improvements	\$489,458
Bluffdale City	14600 South; RR bridge to Redwood Rd.	Bike & Pedestrian Improvements	\$1,064,687
Holladay City	Highland Drive & 4500 South	Intersection Improvements	\$1,200,000



# Transportation Alternatives Program (TAP) Funds



## Transportation Alternatives Program (TAP)

Agency	Project Name	Improvement	Requested Federal Funds
Ogden/ Layton			
Plain City Corporation	1975 North Widening	Bike & Ped Improvements	\$300,000
Farmington City	State Street and Clark Lane Pedestrian Crosswalk Signals	Bike & Ped Improvements	\$200,000
Farmington City	East Park Lane Road Completion	Bike & Ped Improvements	\$71,041
Salt Lake/ West Valley			
Cottonwood Heights	2700 East Sidewalk Project	Bike & Ped Improvements	\$363,038
Salt Lake County	Northwest Avenue Sidewalk - West Side	Bike & Ped Improvements	\$193,918
Utah Transit Authority	SL UZA Bus Bike Rack Expansion	Transit Improvements	\$33,198
Millcreek City	3300 South Sidewalk Safety	Bike & Ped Improvements	\$400,423

- CMAQ
- STP
- TAP

# 20 -

- CMAQ
- STP
- TAP

# 30 %



# Air Quality Report

Kip Billings

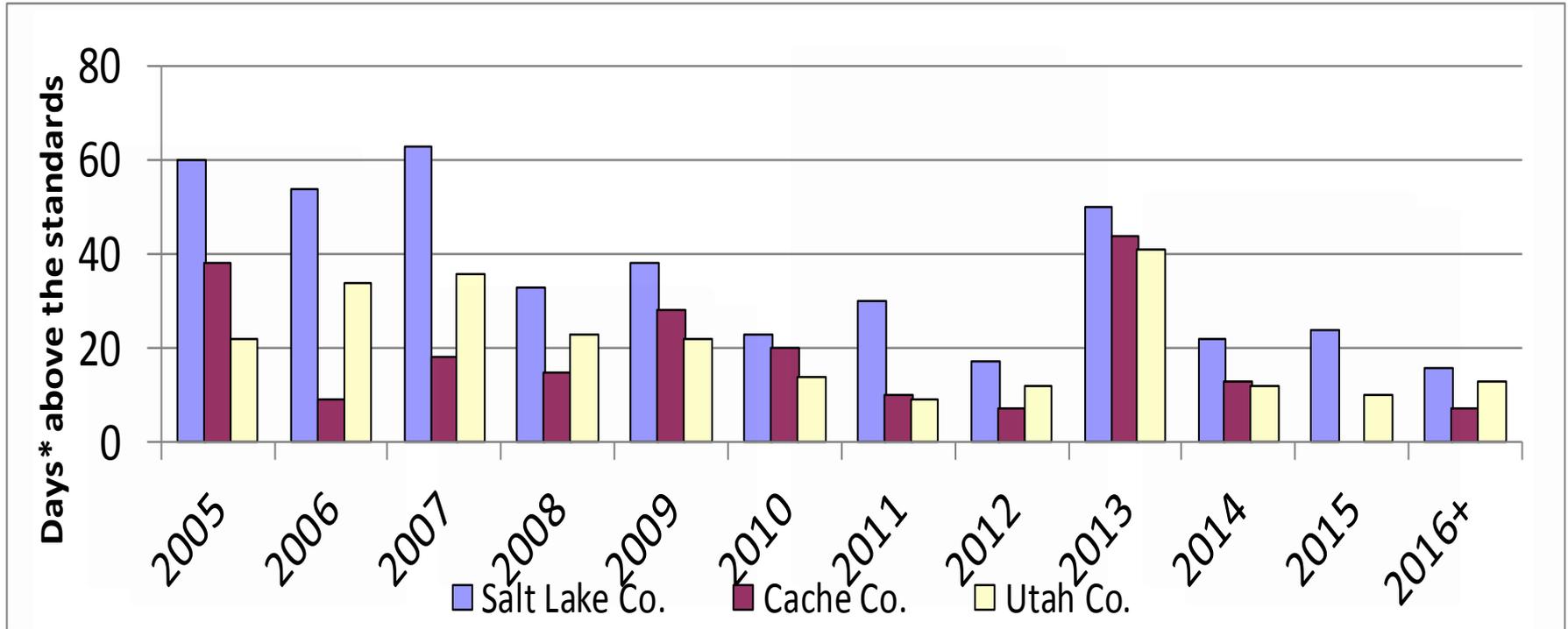
May 24, 2018



WASATCH FRONT REGIONAL COUNCIL

# Improving Air Quality

Number of Days Above the Current Federal Standards

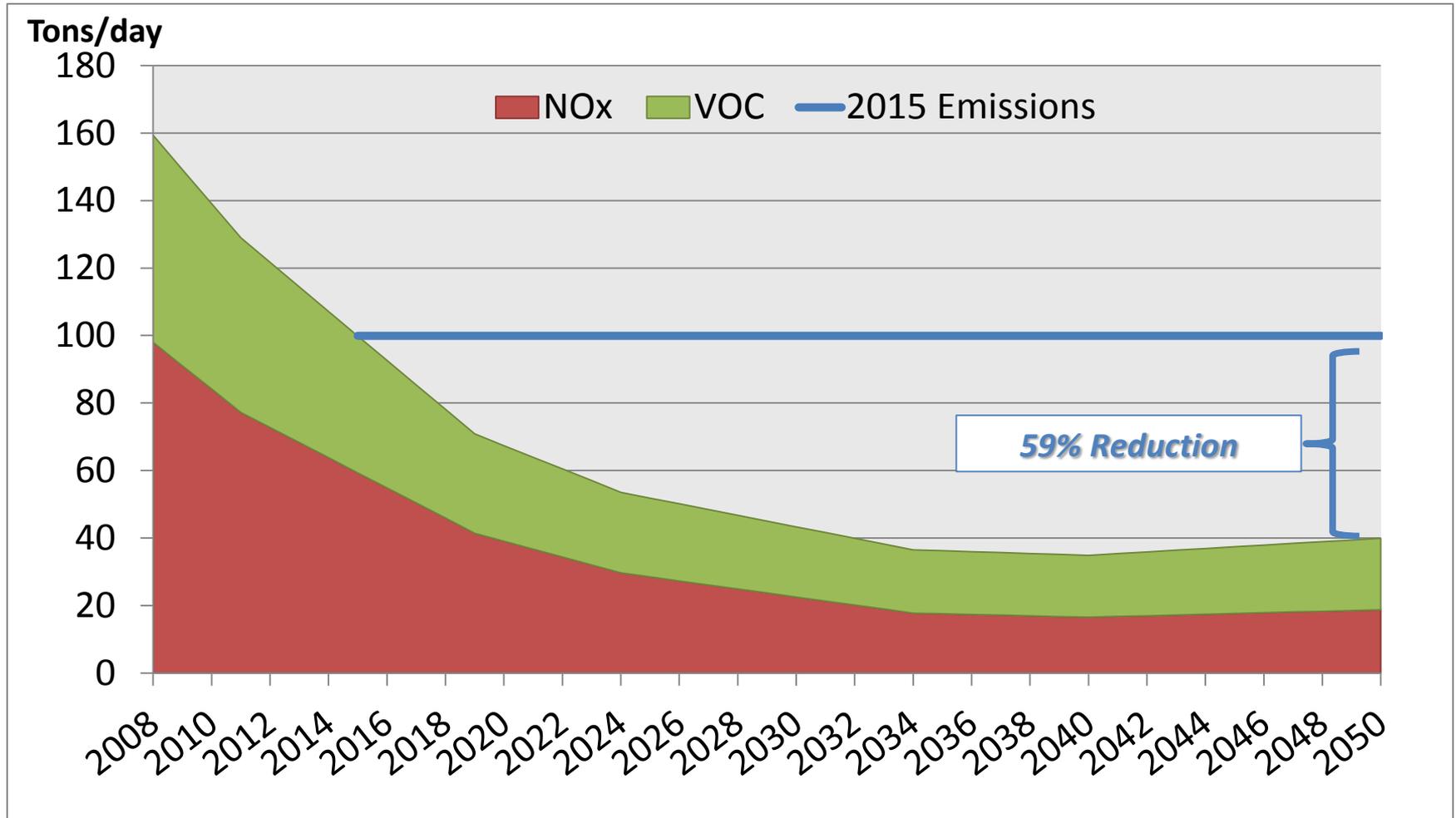


\* Days with monitored values above the level of the **current** National Ambient Air Quality Standards combined for PM2.5 and ozone (PM2.5 standard revised in 2006, ozone standard revised in 2015) + pending final quality assurance



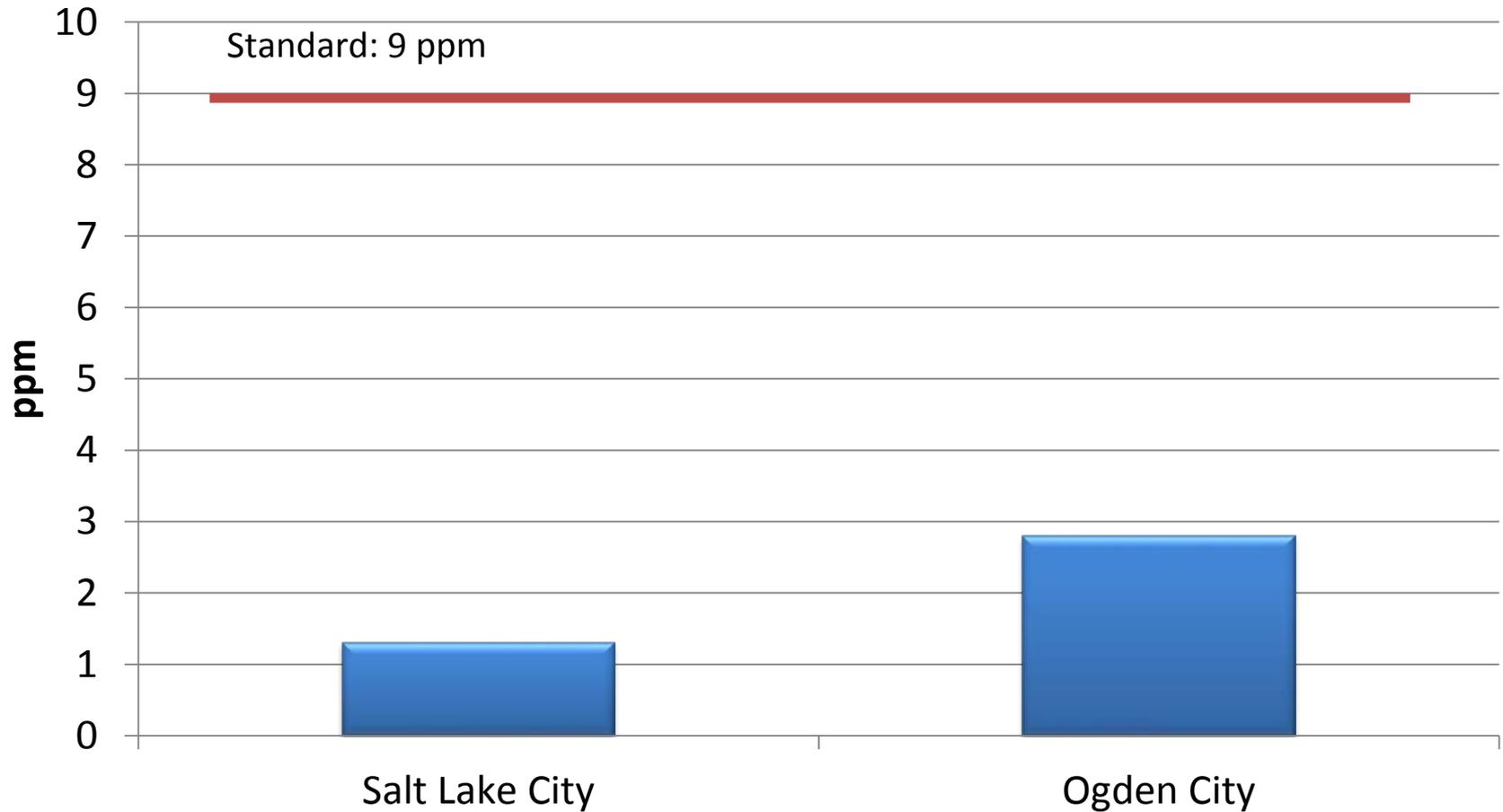
# Vehicle Emissions Reductions

Weber, Davis, Salt Lake, Tooele, Box Elder



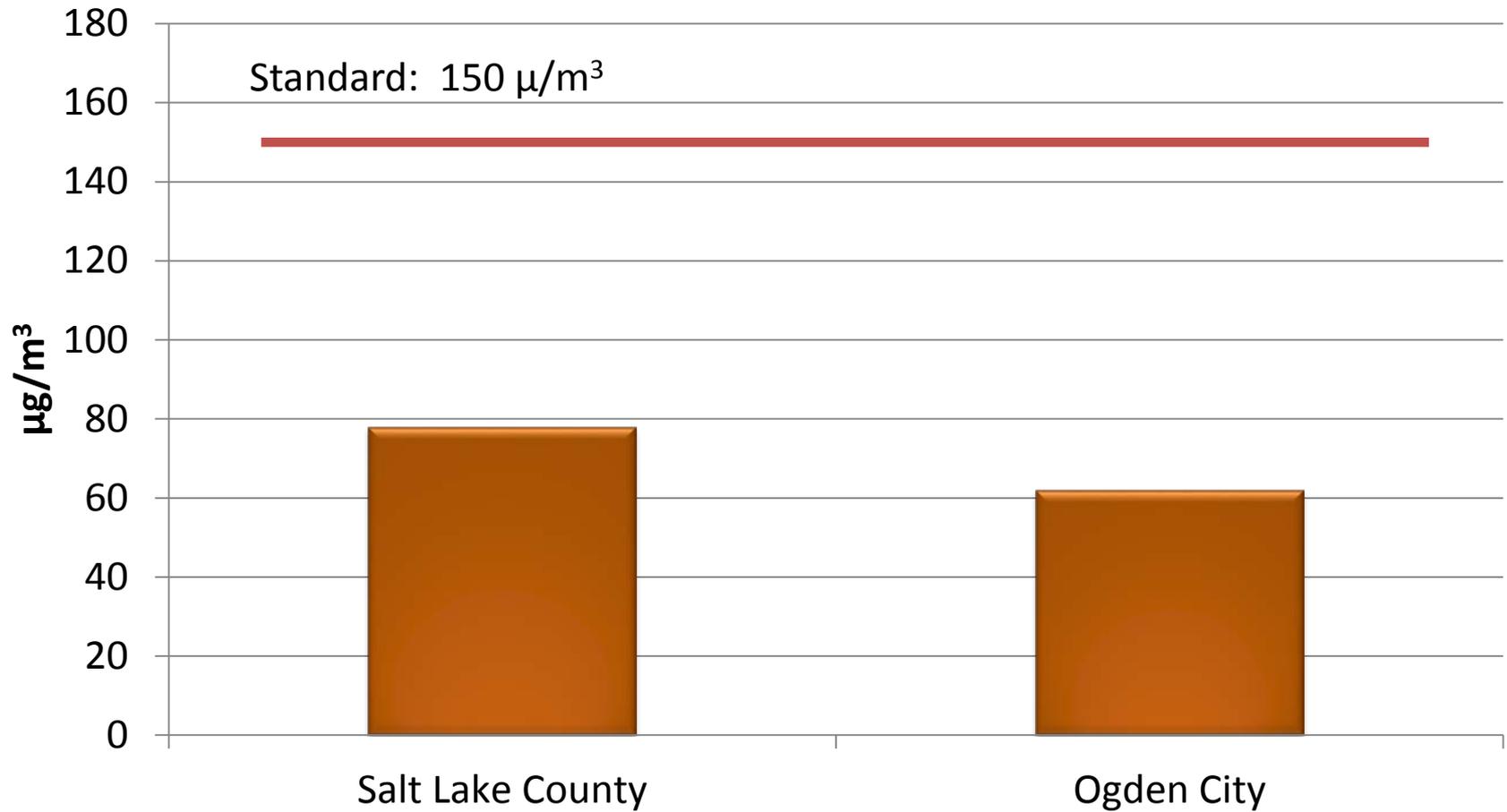
# Carbon Monoxide

## 2<sup>nd</sup> Highest Value, 2016



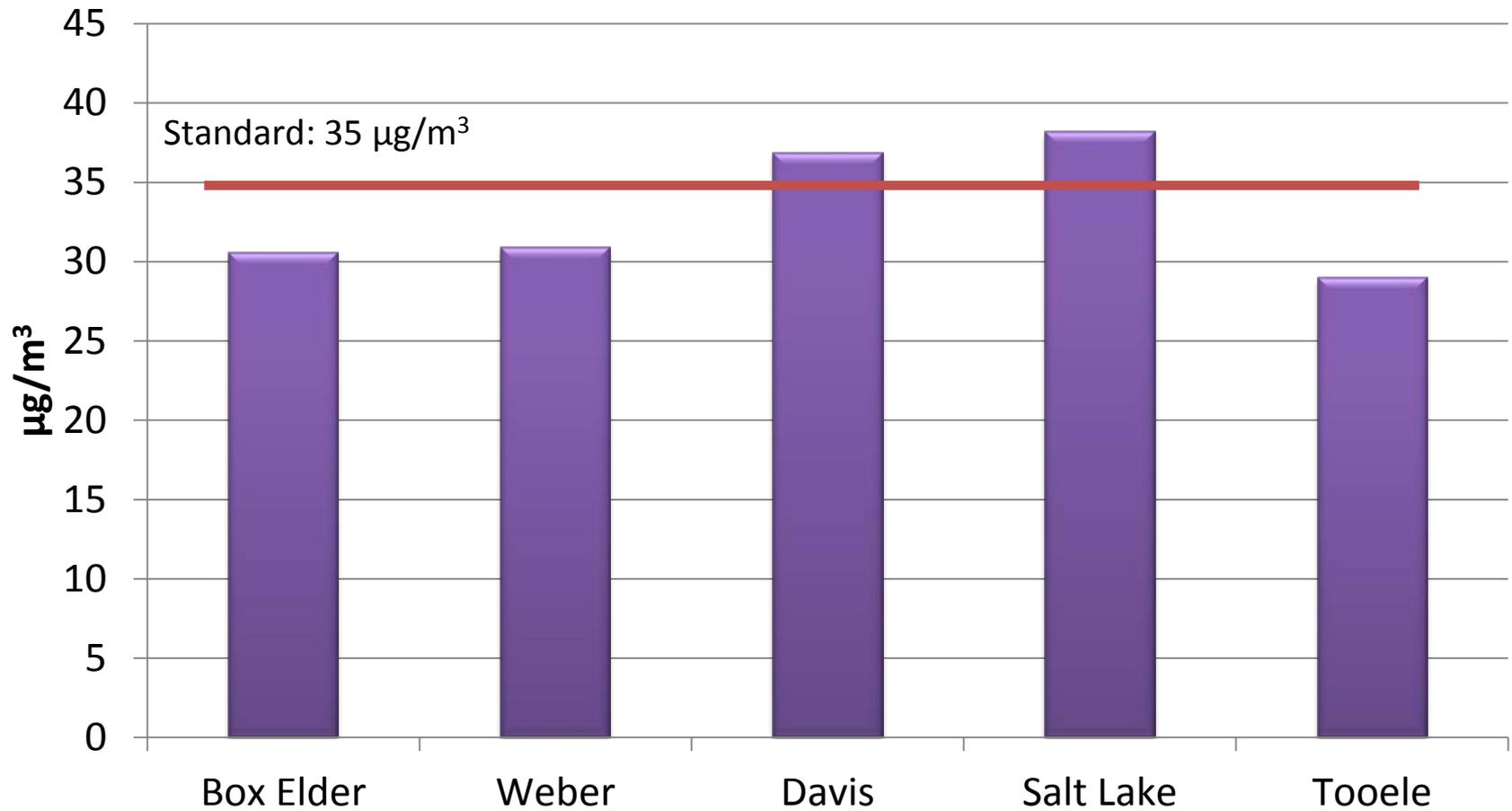
# PM<sub>10</sub>

2<sup>nd</sup> highest value, 2016



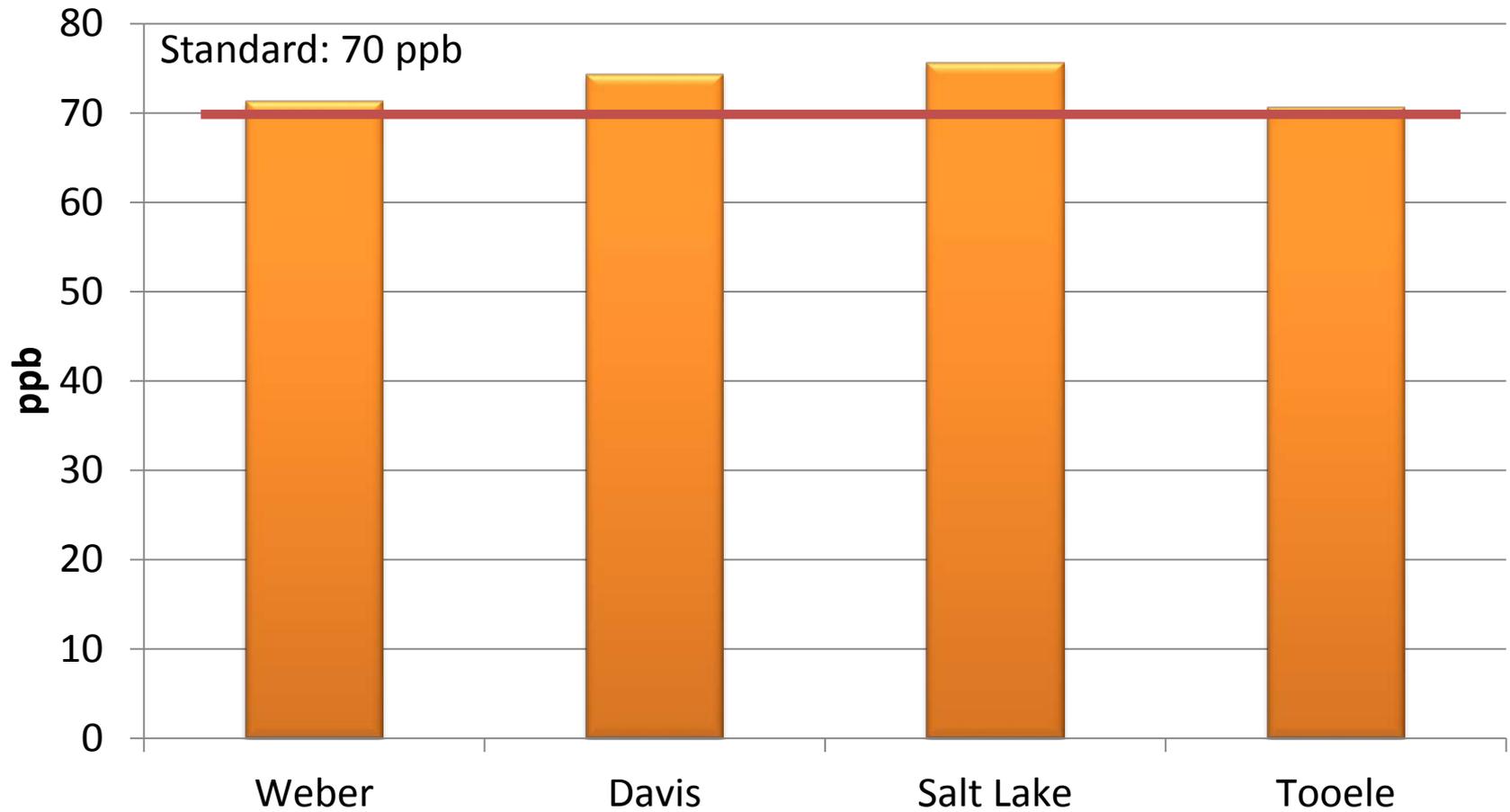
# PM<sub>2.5</sub>

3-year average of 98<sup>th</sup>%, 2014-2016



# Ozone

3-year average of 4<sup>th</sup> highest, 2014-2016

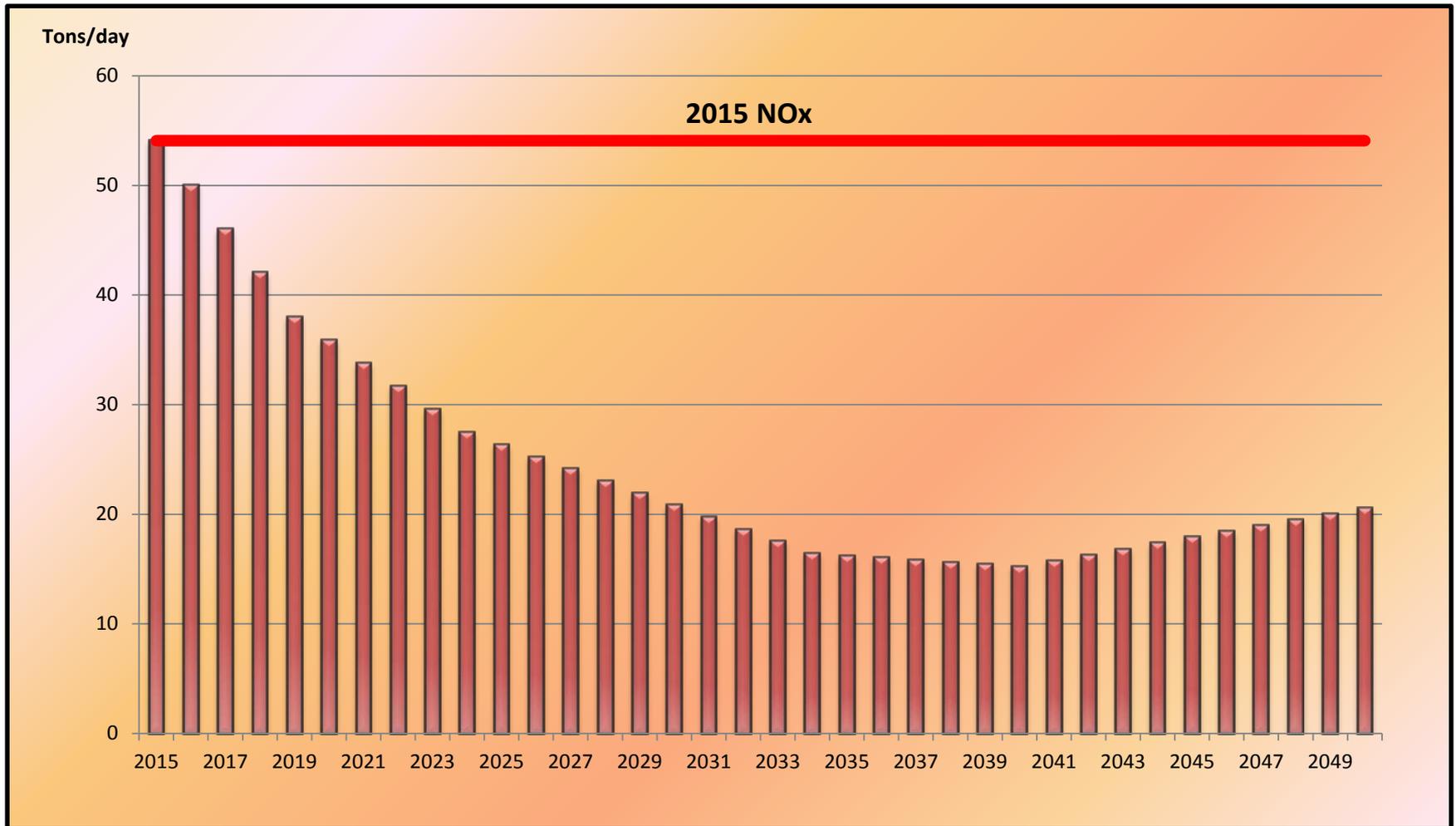


# Ozone Update

- Letter to Governors – April 30, 2018
- Ozone Non-attainment Area
  - “Northern Wasatch Front”
  - Weber (west), Tooele (east), Salt Lake, & Davis
- Official Designation
  - 60 days after FR publication (TBA)
- Conformity
  - 1 year after Designation (~August 2019)

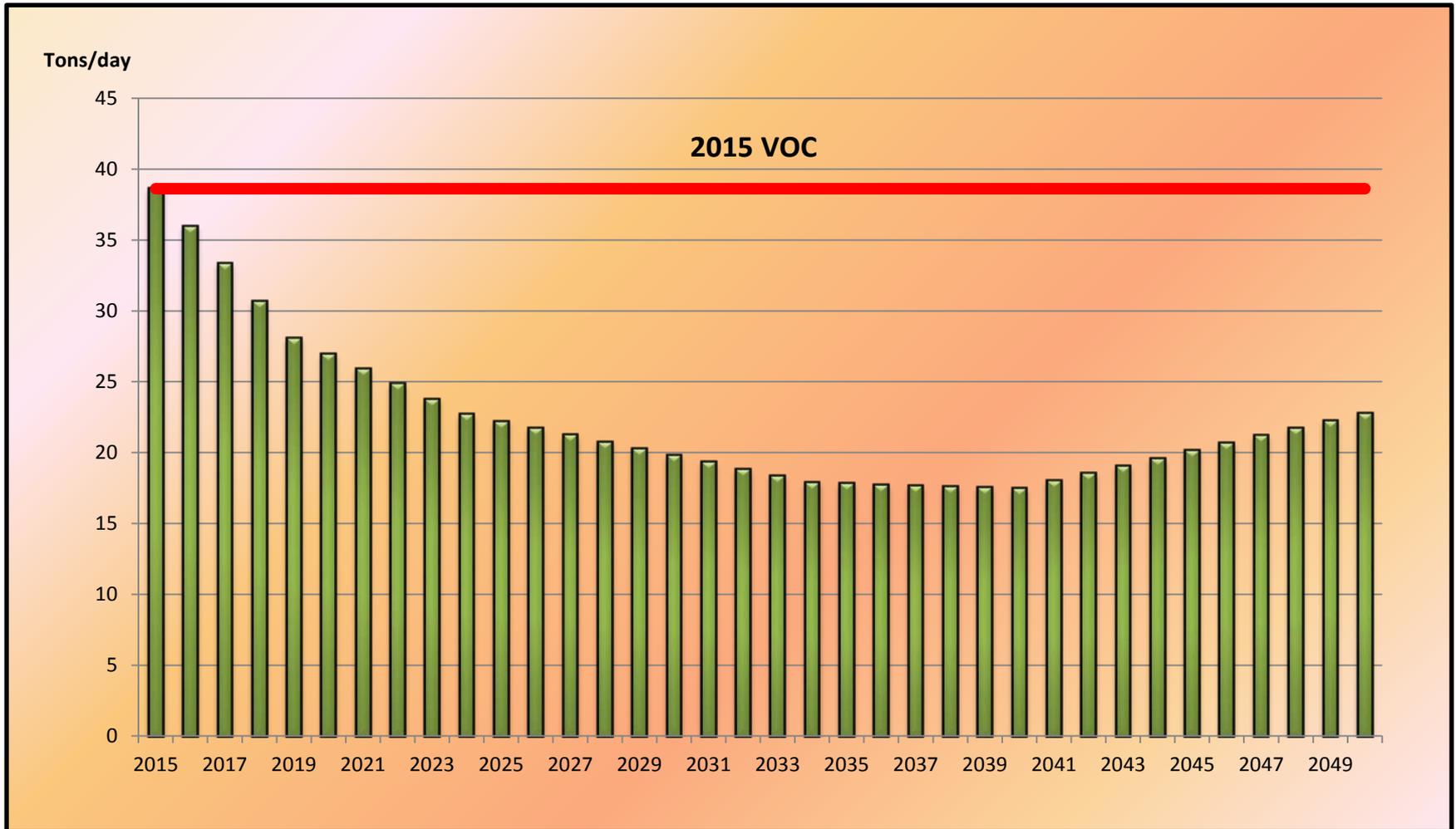
# Ozone Conformity - NOx Precursor

## Northern Wasatch Front Area



# Ozone Conformity - VOC Precursor

## Northern Wasatch Front Area



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WASATCH FRONT REGIONAL COUNCIL