

# Agency Report

- Delegated Authority for On Call Infrastructure Maintenance Task Orders - Status Updates
- Clean Cities Award



# **Delegated Authority for On Call Infrastructure Maintenance Task Orders - Status Update**



# On-Call Infrastructure Maintenance and Repair Task Ordering Contract (UTA 20-03349VW) for 2021



# Resolution Background

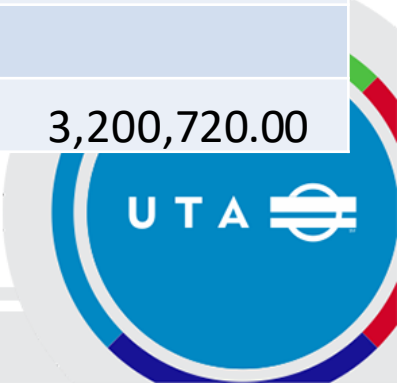
**Resolution R2021-05-02 was approved by the Board at the May 26, 2021 meeting delegating authority to the Executive Director to approve task orders for the on-going tasks listed in Exhibit A attached to the resolution.**

**Per the resolution, the Executive Director is to present an update to the Board on all task orders.**



# Resolution Task Orders

Scope (Project ID)	Not to Exceed Task Order Amount	Actual Task Order Amount
South Stadium Embedded Curve Replacement	\$ 900,000.00	\$ 699,368.00
North Stadium Embedded Curve Replacement	\$ 900,000.00	\$ 699,368.00
Mario Capecchi Embedded Curve Replacement	\$ 900,000.00	\$ 627,383.00
Winchester Avenue Grade Crossing Replacement	\$ 350,000.00	\$ 368,713.00
3200 West Grade Crossing Replacement	\$ 350,000.00	\$ 242,974.00
8120 South Grade Crossing Replacement	\$ 250,000.00	\$ 128,614.00
Operator Relief Rooms	\$ 434,000.00	\$ 434,300.00
Gap Filler on Frontrunner Stations	\$ 1,000,000.00	\$ TBD
<b>Total</b>	<b>\$ 5,084,000.00</b>	<b>\$ 3,200,720.00</b>



# Update - Signed Task Orders

Scope (Project ID)	Not to Exceed Task Order Amount	Update
3200 West Grade Crossing Replacement	\$ 350,000.00	Task order signed for \$242,974 and work was completed in June.
Operator Relief Rooms	\$ 434,000.00	Task order signed for \$434,300. The 3900 South project is in the utility phase and the University project is in the permitting phase.



# Update - Signed Task Orders (continued)

Scope (Project ID)	Not to Exceed Task Order Amount	Update
North and South Stadium Embedded Curve Replacement	\$ 1,800,000.00	Task Order signed for \$1,398,736. Work was completed in August.
Mario Capecchi Embedded Curve Replacement	\$ 900,000.00	Task Order signed for \$627,383. Work was completed this October.



# Update - Task Orders in Scope Development or postponed until 2022

Scope (Project ID)	Not to Exceed Task Order Amount	Update
Gap Filler on Frontrunner Stations	\$ 1,000,000.00	Item will be coming to the board in a separate material procurement
Winchester Avenue Grade Crossing Replacement	\$ 350,000.00	Work scheduled for early spring 2022 final estimated cost is \$368,713.00
8120 South Grade Crossing Replacement	\$ 250,000.00	Work scheduled for early spring 2022 final estimated cost is \$128,614.00



# Clean Cities Award



# Utah Clean Cities Award: Greenhouse Reduction Champion

UTAH TRANSIT AUTHORITY

The image is a screenshot of a Zoom meeting. On the left, a presentation slide is displayed. The slide features a large gold ribbon award with the text "BEYOND ZERO" and "UTAH CLEAN CITIES". Below this, it says "Utah Transit Authority". To the right of the ribbon, there is a collage of images and text: "UCCC BEYOND ZERO 2022", "Utah Transit Authority Greenhouse Gas Reduction Champion", "104 Alternative Fuel Vehicles", "2,915 Tons of Greenhouse Gas Reduced", and a quote from Jay Fox, UTA Executive Director: "Transit is the answer".

On the right side of the Zoom window, an email invitation is open. The email is titled "YOU'RE INVITED! Green Fleets Award Event" and is from Tammie Bostick. The email content includes:

**Awards**  
*Virtual, Real-time Awards*  
**2.14.2022**

PLEASE JOIN US AS WE RECOGNIZE  
**UTAH'S CLEAN AIR LEADERSHIP**

Utah Clean Cities Exemplary Service Award  
Beyond Zero Green Fleet Legacy Partner  
Green House Reduction Fleet Champion  
Triumphant Tri-Cities Award  
Community Impact Award  
Advanced Fuel Legislator of the Year  
Idle Free Health Care Leader  
Clean Air Health Hero  
Clean Air Legislative Champions  
Above and Beyond Recognition Award

**Register for the Event Here!**



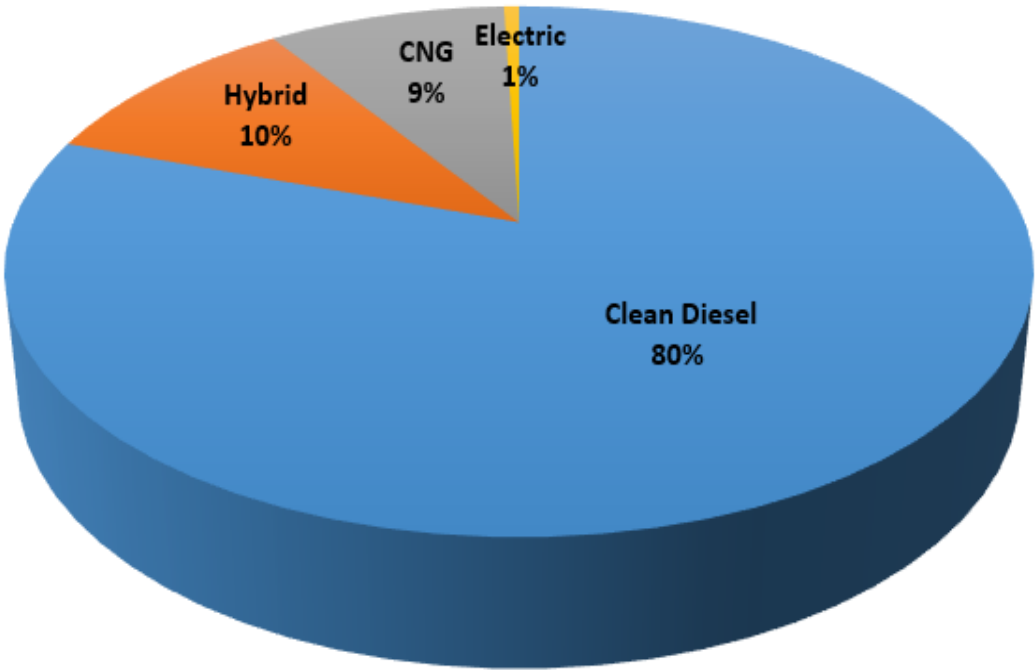
# UTA Electric Fleet

- Light Rail 117
- Battery Buses
  - 3 in service
  - Coming Soon!
    - 11 in production Ogden BRT
    - 20 under contract VW settlement funds
    - 3 Park City No Low
    - 10 Tooele electric shuttles (not noted in bus fleet numbers)



# 2021 Bus Fleet Composition

PROPULSION TYPE	QUANTITY
CLEAN DIESEL	423
HYBRID	54
CNG	47
ELECTRIC	3
TOTAL	527



■ Clean Diesel ■ Hybrid ■ CNG ■ Electric

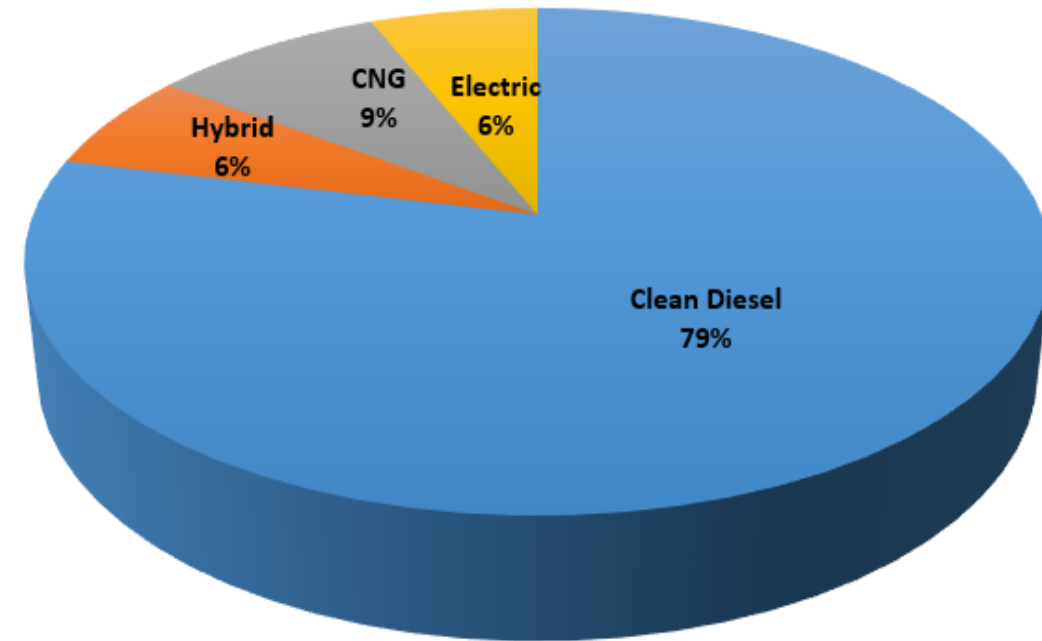
- Hybrid
  - 45 (Timpanogos Service Unit)
  - 9 (Mt. Ogden Service Unit)
- CNG
  - 47 (Salt Lake Service Unit)
- Battery Electric
  - 3 (Salt Lake Service Unit)



# 2023 Bus Fleet Composition

2023 BUS FLEET

PROPULSION TYPE	QUANTITY
CLEAN DIESEL	423
HYBRID	34
CNG	47
ELECTRIC	34
TOTAL	538



■ Clean Diesel ■ Hybrid ■ CNG ■ Electric

- Hybrid
  - 25 (Timpanogos Service Unit)
  - 9 (Mt. Ogden Service Unit)
- CNG
  - 47 (Salt Lake Service Unit)
- Battery Electric
  - 23 (Salt Lake Service Unit)
  - 11 (Mt. Ogden Service Unit)



# Bus performance (MPG) Diesel, CNG, Battery

	Clean Diesel (MPG)	CNG (MPG equivalent)	Battery (MPG equivalent)
UTA	5.25	3.88	15.10*
National average	4.60	2.99	17.09
Comparison	14 %	30 %	(11.6) %

1. UTA performance is from 2020
2. National averages are from 2018 NTD

- UTA buses (diesel & CNG) operate more efficiently due to eco driving practices and anti idling policy implementation
- \*UTA operates the battery buses on the Route 2 to the University of Utah which has a significant grade change. Hill climbing uses extra energy.



# Clean Fleet Air Quality Monitoring Network

UTA hosts the worlds largest network of research grade mobile air quality monitors

## UTA electric buses being outfitted with air quality monitors for better data, better policies

By Emily Ashcraft, KSL.com | Posted - Oct. 8, 2021 at 7:06 p.m.



Air quality monitors are installed on top of a Utah Transit Authority electric bus on Friday, to get air quality readings from more locations in Salt Lake County. (Emily Ashcraft, KSL.com)



## Bus Emissions Savings Benefits

- In 2019, from those who rode transit instead of driving a car, UTA produced a net savings of over 356 tons of criteria air pollutants (NO<sub>x</sub>, SO<sub>x</sub>, CO, HC, PM) across the Wasatch Front.
- In 2020, with reduced ridership and response to a pandemic UTA was able to produce a net savings of 186 tons.



# Light Rail Fleet Emission Savings

Criteria Air Pollutants Mitigated By TRAX - Tons			
Emission Reductions from Riders	Transit Emissions		Net Savings
206	53		153
Greenhouse Gas Savings From TRAX - Tons			
Emission Reductions from Riders	Transit Emissions		Net Savings
12,948	18,209		-5,261
Gasoline Gallon Equivalents Saved By TRAX			
Fuel Not Consumed by Riders	TRAX Energy Equivalents		Net Savings
1,022,123	1,150,020		-127,897

