



Anaheim Transportation Network – Electrification Plan

The Anaheim Transportation (ATN) is a nationwide leader in transit electrification. We're excited to share our accomplishments including:

- ATN is the second largest public transit system in Orange County;
- Operates the largest fleet of Zero Emission Vehicles (ZEV) in Southern California;
- On a busy day over 20,000 passengers board ZEVs operated by the ATN, more than any other transit agency; ATN currently has 59 battery electric vehicles in service with four on order;
- ATN achieves a reduction in Greenhouse Gas Emissions (GHG) on the order of 7,325 metric tons annually;
- ATN will operate with 100% ZEVs by 2025 and;
- New maintenance and operation facilities are under construction that will include over 27,000 square feet of solar panels that will power 25% of the ATN's electric needs.

Take a few minutes to read more on how the ATN is a leader in transit electrification as well as reducing Green House Gas (GHG) emissions!

As depicted in Exhibit 1-1, the ART network provides public transportation throughout the cities of Anaheim and Buena Park, as well as major destinations in the Cities of Costa Mesa, Garden Grove, and Orange. Within The Anaheim Resort® service area, more than 12% of daily event centers' attendees use ART transportation services providing a low-cost and flexible service by transporting a large volume of passengers in a cost effective and sustainable manner.

As the 10th largest city in California, Anaheim has a population of 350,000 and is located in the heart of the greater Los Angeles area (population: 18.5 million). The City of Anaheim hosts over 25 million visitors per year, rivaling tourist destinations such as Boston and Washington, D.C. One impact of the area tourism is the employment opportunities that it brings - the Disneyland® Resort alone is the largest employer in all of Orange County, employing more than 29,000 people. When the tourist impact is coupled with the employee transportation traveling in and out of this small dense area of 1.75 square miles, the result is tremendous traffic congestion that is an air quality hot spot. ART service provides much needed transportation opportunities to the professional, college students and minorities in this highly congested area.

ART service connects 72 area employment establishments with local destinations and attractions, providing vital transportation alternatives to residents, employees and visitors. The destination and employment draw within this area, includes:

- Disneyland® Resort
- Outlets at Orange
- Disney's® California Adventure
- Christ's Cathedral
- Downtown Disney® District
- Anaheim Convention Center (the largest, most-visited convention center on the West Coast)
- Honda Center (home to National Hockey League's Anaheim Ducks and site of numerous concerts and sporting events)
- Angel Stadium (home of Major League Baseball's Los Angeles Angels of Anaheim)
- Anaheim GardenWalk (encompassing retail and restaurants)
- Platinum Triangle (a mixed-use residential and commercial area surrounding Angel Stadium, Honda Center and The Grove of Anaheim)

The opening of the region's newest multimodal transportation center (ARTIC) has created a new hub for intercity/county service, including transit connections to Metrolink, Amtrak, Orange County Transportation Authority (OCTA) buses, shuttles, taxis, tour/charter buses, and will ultimately provide a stop to California's High Speed Rail (HSR) system. Riders that disembark from ARTIC multimodal services can hop on an ART bus and travel seamlessly to the Resort area, the Platinum Triangle and connect to many of the destinations described above.

Section 2 Zero Emission Vehicles

In 2016 the ATN began its journey to a sustainable transit fleet with the purchase of four K9A BYD electric buses. The goal of the Agency’s **#Electrify Anaheim** project was to have a 100% Zero Emission fleet by 2025.

In 2018 the California State Transportation Agency (CalSTA) awarded the ATN a **Transit and Intercity Rail Capital Program (TIRCP)** grant totaling \$28 million for the purchase of forty zero emission electric buses and 10 zero-emission micro-cruisers to double service on eight routes, start service on two new routes, and implement a new circulator /on-demand first-mile/last-mile service in Downtown Anaheim.



New Zero Emission Electric Bus

The estimated reduction in GHG reductions are 61,000 MTCO_{2e}.

The new ZEV vehicles were all placed into service between 2020 and early 2022. The ZEV fleet also includes ten 60-foot articulated buses.

In 2021 the ATN was the first U.S. transit agency to order the innovative **Arrival** battery electric buses. These entirely low-floor buses will be built at Arrival’s micro factory in Charlotte, North Carolina and are scheduled for delivery in 2023. Five vehicles have been ordered and they will replace existing CNG vehicles.



On March 4, 2022, Anaheim Transportation Network (ATN) submitted a grant request for \$22,778,127 to **Transit and Intercity Rail Capital Program (TIRCP)**, administered by California State Transportation Agency (CalSTA). Project schedule is driven by LA Olympics in 2028. ATN’s grant funding submittal to includes requests for:

ART – Anaheim Regional Transportation (\$10,029,480) –public transit service operated by ATN for the benefit of residents, employees and visitors to Orange County to support transit needs throughout North and Central Orange County, with service in Anaheim, Buena Park, Garden Grove, Orange and Costa Mesa.

With the assistance of the 2018 TIRCP grant funds, ATN is currently the largest zero emission public transit operator in Orange County (and one of the largest in the State), with a total of 46 electric buses. TIRCP funds would allow ATN to complete the conversion of its entire fleet to electric operating platform, creating the first 100% zero-emission, all electric transit system in the Greater Los Angeles Basin.

ATN’s funding request will support the purchase of fifteen (15) additional 40-foot electric buses and will leverage the purchase of five (5) more 40-foot electric buses, to complete ATN’s planned 66 electric bus fleet. TIRCP funding will also leverage grant funding from the California Energy Commission and California Public Utilities Commission for the installation of Battery Storage and a Microgrid, as well as additional solar panels on the site. This infrastructure will ensure that vehicles are charged using 100% renewable energy, resulting in even greater GHG reductions as a result of the proposed project.

ANNA – Advancing Neighborhood Networks for All (\$6,489,805) – a new, zero-emission, 100% electric service connecting high-density employment, transit and tourism hubs through a “Bus Rapid Transit (BRT) Light” solution. The system will connect Metrolink/Amtrak riders alighting at ARTIC, as well as residents and employees of the rapidly growing Platinum Triangle (which includes both the ocVIBE and Angel Stadium Developments and the planned OC Riverwalk), to the hotels, restaurants, the Anaheim Convention Center and other attractions/destinations within The Anaheim Resort, including the anticipated Disneyland Forward expansion. TIRCP funds will leverage planning grant funds from a Caltrans Sustainable Transportation Planning grant program to allow ATN to work collaboratively with project partners to develop a system that provides direct connectivity throughout and into the City of Anaheim.

FRAN – Free Rides Around the Neighborhood (\$522,375) – initially launched in 2019 (as part of ATN’s 2018 TIRCP grant award) as a free zero-emission neighborhood vehicle service designed to provide critical parking management tools in CtrCity Anaheim by encouraging visitors and employees to park at larger parking garages on the outskirts of the geo-coded, fenced project area and utilize FRAN to reach final destinations within CtrCity. In just the first year of operation, nearly 50,000 riders used FRAN, and discussion emerged regarding expanding the service to neighborhoods surrounding the CtrCity core to provide door-to-door first/last mile connections for the community. The COVID-19 pandemic cut short the expansion discussion, but ridership is resuming at a quick pace now that restrictions are being lifted.

FRAN



FRAN is an on-demand, MicroTransit system of electric vehicles providing point-to-point on-demand trips in Anaheim, California

Requested funding from the 2022 TIRCP program would allow ATN to launch the neighborhood expansion service, which expected to increase CtrCity ridership by 23,000+ passengers annually. New

riders will include employees of local businesses who reside in the surrounding CtrCity neighborhoods, seniors visiting the active Senior Center located adjacent to Anaheim City Hall and residents visiting medical providers, buying groceries and frequenting local eateries or other venues. The expanded service area also includes approximately 630 affordable housing developments, increasing accessibility of essential services and employment opportunities. Grant funding will be used to market the neighborhood expansion (no additional vehicles are needed for CtrCity).

EVE – Everyone Ventures Everywhere (\$877,311) –a new, zero emission electric van service that is designed to fill a transit void created by the COVID-19 pandemic. In 2020, the travel industry collapse resulted in the shutdown of commercial shuttle and taxi service from John Wayne Airport to common destinations like the Anaheim Convention Center and Disneyland Resort. EVE will primarily serve Anaheim residents, business and leisure travelers seeking to avoid the expenses and time associated with car parking and/or rental service, in favor of a sustainable form of transportation. TIRCP funds will be used to lease seven, zero-emission EV Star, 10- passenger vans carry up to 10 passengers per vehicle.

EVE will also serve employees of the hospitality service industry by providing Night Owl service for employees working late/overnight shifts in the hotels, restaurants and entertainment venues in The Anaheim Resort, many of whom reside in West Anaheim. With shifts that end outside of traditional transit options, many workers have no alternative to using private cars or Transportation Network Companies (TNCs) for their daily commute. EVE vehicles will be used after airport commuting hours to provide on-demand local service to janitorial crews, waitstaff, groundskeepers and others at the completion of their shifts.

Section 3 New Facilities to Maintain Zero Emission Vehicles

In February 2021 the ATN was awarded a \$5 million dollar grant by the California Energy Commission, which will be used to acquire charging stations, batteries and the other solar infrastructure required to support ATN’s MicroGrid and zero-emission vehicle fleet.

Funds provided as part of the California Energy Commission’s Clean Transportation Program will assist in the purchase, installation and integration of ATN’s MicroGrid and solar charging infrastructure. The infrastructure includes multiple TESLA MegaPack battery energy



Solar Canopies & Maintenance Facility (Conceptual Image)

storage systems, microgrid controller units and heavy-duty all-electric battery charging stations at both of ATN’s facilities in Anaheim.

ATN has partnered with AMPLY Power for the management of the charging operations from system design, installation, equipment purchases, operations and maintenance. This 20-year Purchase Power Agreement and Charge Management Service includes the construction of a 545kW solar canopy that provides 25 percent of the total expected energy consumption.

The ATN is currently building a new maintenance and operations facility at two locations in Orange County. The two facilities will include charging stations for 79 buses, 18 LS chargers in the maintenance facility, and fourteen chargers for FRAN Micro Transit vehicles and agency service vehicles.

The new facility is estimated to be completed in the summer of 2023.