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UNITED STATES DISTRICT COURT  
NORTHERN DISTRICT OF CALIFORNIA

SCOTT CRAWFORD,

Plaintiff,

v.

UBER TECHNOLOGIES, INC., et al.,

Defendants.

Case No. [17-cv-02664-RS](#)

STEPHAN NAMISNAK, et al.,

Plaintiffs,

v.

UBER TECHNOLOGIES, INC., et al.,

Defendants.

Case No. [17-cv-06124-RS](#)

## ORDER AND OPINION

### I. Introduction

Plaintiffs are three people using electric wheelchairs who asked Defendants Uber Technologies, Inc. and its subsidiary Rasier, Inc. (collectively “Defendants” or “Uber”) to provide wheelchair-accessible vehicle (“WAV”) service (“UberWAV”) in their home cities of New Orleans, Louisiana and Jackson, Mississippi. After Uber declined, Plaintiffs sued, accusing Uber of violating the Americans with Disabilities Act (“ADA”). The cases proceeded to a bench trial, at which the

1 parties presented evidence of various methods for implementing WAV service, the costs of WAV  
2 service, and Uber's implementation of WAV service in other cities, among other topics. For the  
3 reasons explained below, Plaintiffs have not met their burden of establishing that their requested  
4 modification is reasonable, and thus have not prevailed on their claim for violation of 42 U.S.C. §  
5 12184(b)(2)(A) for failure to make a reasonable modification. Further, even though Uber's vehicle  
6 requirements screened out WAVs from operating on the platform, there is no guarantee—or even a  
7 strong likelihood—that a person requiring a WAV would be matched with such a vehicle on the  
8 UberX platform, and thus Plaintiffs' claim that Defendants screened out people with disabilities in  
9 violation of 42 U.S.C. § 12184(b)(1) fails as well. This Opinion and Order comprises the findings of  
10 fact and conclusions of law required by Federal Rule of Civil Procedure 52(a).<sup>1</sup>

## 11 II. Parties

12 Plaintiffs are people with disabilities who rely on electric wheelchairs for mobility.<sup>2</sup> Unlike  
13 users of non-electric wheelchairs, which may be folded and placed into the trunk of a vehicle,  
14 users of electric wheelchairs require a WAV to travel by car. Dr. Scott Crawford lives in Jackson,  
15 Mississippi while Stephan Namisnak and Francis Falls live in New Orleans, Louisiana. None of  
16 the Plaintiffs have downloaded the Uber app, but have all declared under oath that if Uber were to  
17 offer ride services that could accommodate electric wheelchairs, they would use them.

18 Uber operates a ride-for-hire service that utilizes a mobile phone app to connect riders with  
19 drivers who have signed up with the app. The most popular type of ride is UberX, in which drivers  
20 provide trips in standard, four-door vehicles. Many drivers offer rides in their own personal cars  
21 resulting in a robust supply of UberX drivers, but these services vary from locality to locality. In some  
22 cities, such as San Francisco and Washington, D.C., the app includes "UberWAV," which offers app

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24 <sup>1</sup> Uber's administrative motions to file materials under seal, *Crawford* Dkt. No. 235 & *Namisnak*  
25 Dkt. No. 195, are granted.

26 <sup>2</sup> Defendants do not contest that Plaintiffs are disabled or the nature of their disabilities.

1 users the option to call a WAV. This option is not available to Uber app users in New Orleans or  
2 Jackson. Uber also operates other services, such as its UberEats food delivery service.

### 3 III. Plaintiffs' Claims

4 Under Title III of the ADA, “[n]o individual shall be discriminated against on the basis of  
5 disability in the full and equal enjoyment of specified public transportation services provided by a  
6 private entity that is primarily engaged in the business of transporting people and whose  
7 operations affect commerce.” 42 U.S.C. § 12184(a). Plaintiffs bring claims under two subsections  
8 of § 12184. First, they allege Uber failed to “make reasonable modifications consistent with those  
9 required under section 12182(b)(2)(A)(ii).” *Id.* § 12184(b)(2)(A). Section 12182(b)(2)(A)(ii)  
10 defines as discrimination the “failure to make reasonable modifications in policies, practices, or  
11 procedures, when such modifications are necessary . . . unless the entity can demonstrate that  
12 making such modifications would fundamentally alter the nature” of the goods or services  
13 provided. Second, they allege that Uber imposed “eligibility criteria that screen[ed] out or tend[ed]  
14 to screen out an individual with a disability or [a] class of individuals with disabilities from fully  
15 enjoying the specified public transportation services[.]” *Id.* § 12184(b)(1). Plaintiffs also pursued a  
16 third violation of § 12184, averring that Uber purchased “a new van . . . that is not readily  
17 accessible to or usable by individuals with disabilities” without providing “a level of service to  
18 such individuals equivalent to the level of service provided to the general public[.]” *Id.* §  
19 12184(b)(5). Summary judgment was granted to Defendants as to this third claim. Additionally,  
20 other claims were dismissed as a matter of law earlier in the litigation. *See* Crawford Dkt No. 80;  
21 Namisnak Dkt. Nos. 84, 102.

### 22 IV. Summary of Evidence

23 In this bench trial, the parties presented evidence over three days. In addition to  
24 introducing a variety of exhibits, including many internal Uber documents, each side provided  
25 testimony. Each Plaintiff testified about how his disability required him to use an electric  
26 wheelchair, and that use of an electric wheelchair necessitates travelling by WAV, rather than a

1 normal passenger vehicle. Each Plaintiff explained his desire to use Uber, his prior request that  
2 Uber implement WAV service in his city, and the challenges of navigating his city while using a  
3 wheelchair. Plaintiffs also presented the expert testimony of Dr. James Cooper, a transportation  
4 systems professional with expertise in ground transport, taxis and for hire vehicles, accessible  
5 transportation, and transportation policy.

6 Additionally, Plaintiffs called three current or former Uber employees, Robert Rupp,  
7 David Reich, and Niraj Patel. Rupp is a member of Uber's Vehicle Solutions Team, and  
8 previously managed a group of analysts who assessed data concerning driver base growth.  
9 Plaintiffs questioned him about vehicle requirements for drivers in New Orleans and Jackson,  
10 Uber's vehicle rental partnerships, and driver incentives. Reich, no longer an Uber employee,  
11 previously served as Uber's director of transit, and before that as head of product strategy. Reich  
12 was never directly involved with the UberWAV program. Patel is the director of rider operations  
13 for Uber in the United States and Canada, and previously served as strategy planning lead. Since  
14 2018, Patel has served as the person at Uber with primary responsibility for supervising and  
15 managing development of UberWAV. Among other topics, Patel testified about existing  
16 UberWAV programs and Uber's consideration of expanding its WAV program to New Orleans.

17 Finally, Plaintiffs introduced deposition transcripts. Plaintiffs introduced deposition  
18 testimony of Meera Joshi, formerly the Chair and CEO of the New York City Taxi and Limousine  
19 Commission, an agency which handled regulation of for-hire WAVs in New York City. Plaintiffs  
20 also introduced deposition testimony of three Uber employees who also testified at trial: Brad  
21 Rosenthal, Robert Rupp, and Niraj Patel. Uber had designated Rupp and Patel as Rule 30(b)(6)  
22 witnesses.

23 Uber offered the testimony of Uber employees Brad Rosenthal and Connor Fagent, and  
24 also called Niraj Patel, who testified during the Plaintiffs' case-in-chief. Rosenthal is the director  
25 of mergers and acquisitions integration, and previously served as director of strategic initiatives  
26 and in a variety of other roles at Uber. He described various aspects of Uber's business model.

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1 Fagent currently works as the team manager for the UberWAV program, and has worked on  
2 UberWAV since 2017. Fagent described advantages and disadvantages to different methods of  
3 implementing UberWAV and his team's considerations when launching UberWAV service in a  
4 city. He also provided cost estimates for operating a WAV program in New Orleans and Jackson.  
5 Finally, Patel discussed advantages and disadvantages of different methods of implementing  
6 UberWAV in new cities.

7 **V. Dr. Cooper's Testimony and Uber's Motion to Strike**

8 Following the presentation of evidence, Defendant brought a motion to strike certain  
9 portions of Dr. Cooper's testimony, arguing those went beyond the scope of his expert report.  
10 When presenting testimony from an expert witness providing a written report, Federal Rule of  
11 Civil Procedure 26(a)(2)(B) requires a party to disclose "a complete statement of all opinions the  
12 witness will express and the basis and reasons for them" along with "the facts or data considered  
13 by the witness in forming them[.]" A party must supplement its disclosure "in a timely manner if  
14 the party learns that in some material respect the disclosure or response is incomplete or incorrect,  
15 and if the additional or corrective information has not otherwise been made known to the other  
16 parties during the discovery process or in writing[.]" Fed. R. Civ. P. 26(e)(1)(A). Failure to  
17 supplement a disclosure may result in exclusion of the evidence "unless the failure was  
18 substantially justified or is harmless." Fed. R. Civ. P. 37(c)(1).

19 The challenged testimony here falls into five categories: (1) why Uber provides a WAV  
20 marketplace in certain cities but not others; (2) whether a city's size affects its ability to have a  
21 successful WAV rideshare market; (3) what constitutes the correct demand and level of supply for  
22 WAVs in New Orleans and Jackson; (4) whether Uber's vehicle requirements prohibit WAVs and  
23 suppress a possible supply of WAVs in New Orleans and Jackson; and (5) whether an accessibility  
24 fee or price increase could cover the cost of providing WAV service and what the marginal cost of  
25 providing WAV in New Orleans and Jackson would be. Aspects of that testimony, such as  
26 whether a city's size impacts the success of a WAV marketplace, are addressed his expert report.

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1 Others, such as how high an accessibility fee would need to be to cover the cost of operating  
2 UberWAV in New Orleans and Jackson are responsive to Uber's January 2022 document  
3 production (which came just weeks before trial), making a failure to supplement Dr. Cooper's  
4 disclosures substantially justified.

5 Addressing each piece of challenged testimony is unnecessary, however, because the  
6 challenged opinions are largely unpersuasive, and not relied upon in the following analysis. For  
7 example, Dr. Cooper provided little support for his estimates of how many WAV vehicles would  
8 be needed successfully to implement UberWAV service in New Orleans and Jackson, or his  
9 opinion that the marginal cost to Uber of providing WAV service in New Orleans and Jackson  
10 could be zero. With a lack of support in the data, serious comparison to other cities, or other  
11 methods of analysis, many of Dr. Cooper's opinions verged on speculation. The motion to strike  
12 need not be reached, because as explained below, Plaintiffs' evidence does not establish a  
13 violation of the ADA.

## 14 VI. The Existing UberWAV Program

15 Before delving into the merits of the case, it is helpful to describe the contours of the  
16 existing UberWAV program, as detailed at trial. Similar to Uber's standard UberX product, in  
17 which riders can request an on-demand ride via the Uber app, UberWAV allows riders to request  
18 an on-demand ride, but in a WAV rather than a typical passenger vehicle. UberWAV is one of a  
19 number of specialized products Uber currently or has previously offered; for example, Uber has  
20 operated an UberXL product in which riders could request a passenger vehicle with a greater  
21 number of seats, and UberBlack, through which a rider could request a luxury black car. Uber  
22 prices WAV rides at the same cost as a standard UberX ride.

23 UberWAV, however, is not offered in all markets in which Uber operates. As of the time  
24 of trial, UberWAV operated in eleven cities across the United States: New York, Boston,  
25 Philadelphia, San Francisco, Los Angeles, Phoenix, Houston, Austin, Portland, Chicago, and  
26 Washington, D.C. Niraj Patel testified that in the past three years, Uber spent between \$40 and

1 \$60 million on its UberWAV program, including approximately \$55 million in 2021. In some  
2 cities, like New York, operating a WAV option is required by local law or regulation. In other  
3 cities, operating a WAV option is not required, but regulations encourage Uber and its competitors  
4 to operate a WAV program, such as by imposing fines on Uber if it does not provide a WAV  
5 option.

6 In the cities where UberWAV operates, Uber has utilized four main methods to ensure  
7 WAV vehicles and drivers are available on its platform: (1) driver incentive programs; (2)  
8 partnerships with a commercial operator; (3) WAV rental programs; and (4) a dispatch program to  
9 pool WAV resources with other transportation providers. First, an incentive program provides  
10 bonuses to people who personally own WAVs to drive on the platform, via either a sign-up bonus  
11 or a per trip incentive. Uber has previously offered WAV incentives in Philadelphia, Portland, and  
12 Chicago.

13 Second, in a commercial operator partnership, Uber contracts with a commercial WAV  
14 operator on a per hour basis to gain access to both a WAV and a driver. Uber already contracts  
15 with a commercial operator called MV Transportation to provide WAV service in other cities,  
16 such as New York, Los Angeles, San Francisco, and Boston. The commercial operator  
17 partnerships have resulted in the provision of hundreds of thousands of rides. As Uber negotiates a  
18 specific number of hours of service in its contracts, Uber pays for the WAV and driver's time  
19 regardless of whether that driver completes any rides during the contracted time.

20 Third, in a rental or leasing model, prospective drivers may lease a WAV from either an  
21 Uber subsidiary or a third party rental company. Uber previously operated a WAV leasing model  
22 via its former subsidiary, Xchange Leasing, in Philadelphia.<sup>3</sup> Uber also creates partnerships with  
23 third party rental companies, through which drivers may lease a car to use while driving on the  
24 Uber platform. In its current partnership with Avis, drivers can lease a WAV in Boston or

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26 <sup>3</sup> Uber subsequently sold Xchange Leasing, following concerns that it was losing money.

1 Washington. Uber can incentivize the rental company to purchase WAVs, and can also subsidize  
2 the cost of WAV rental to encourage drivers to choose to rent a WAV.

3 Fourth, a dispatch program refers to the pooling of WAV resources between different  
4 transportation operators. In a dispatch model, a request for a WAV vehicle from any participating  
5 operator may be fulfilled via a vehicle from another operator. Such a program exists in New York  
6 City. In that program, Uber and its competitors Lyft and Via, along with taxi, Black Car, and  
7 limousine companies, pool their WAV resources. Uber does not participate in any dispatch  
8 programs other than in New York City.

9 Uber previously explored implementing UberWAV in New Orleans. At the time, city  
10 officials in New Orleans were considering an ordinance which would have required Uber to  
11 provide WAV service in the city. Uber lobbied against that ordinance, and dropped New Orleans  
12 from its WAV launch priority list immediately after the city declined to adopt the ordinance. Uber  
13 has not previously explored implementing WAV service in Jackson.

#### 14 **VII. Failure to Make Reasonable Modifications in Violation of 42 U.S.C. § 12184(b)(2)(A)**

##### 15 A. Legal Standard

16 Section 12182(b)(2)(A)(ii) requires covered entities “to make reasonable modifications in  
17 policies, practices, or procedures, when such modifications are necessary to afford such goods,  
18 services, facilities, privileges, advantages, or accommodations to individuals with disabilities[.]”<sup>4</sup>  
19 42 U.S.C. § 12182(b)(2)(A)(ii). An essential element of the reasonable modification claim is that a  
20 plaintiff has requested and been denied a modification from the defendant before filing suit. *Namisnak*  
21 v. *Uber Techs, Inc.*, No. 17-cv-06124-RS, 2018 WL 7200717, at \*2-3 (N.D. Cal. 2018); *accord*  
22 *Karczewski v. DCH Mission Valley LLC*, 862 F.3d 1006, 1010 (9th Cir. 2017); *Fortyune v. Am. Multi-*  
23 *Cinema, Inc.*, 364 F.3d 1075, 1082 (9th Cir. 2004). A covered entity has an affirmative defense to

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25 <sup>4</sup> As explained above, 42 U.S.C. § 12184(b)(2)(A), which addresses public transportation services  
26 operated by private entities, cross-references section 12182(b)(2)(A)(ii) for the definition of  
reasonable modifications.

1 that requirement if “making such modifications would fundamentally alter the nature of such  
2 goods, services, facilities, privileges, advantages, or accommodations.” 42 U.S.C. §  
3 12182(b)(2)(A)(ii).

4 **B. Discussion**

5 This Court previously ruled that Uber is a covered entity within the meaning of the ADA.  
6 *See* Summary Judgment Order, pp. 7-11. The parties do not dispute that Plaintiffs each submitted  
7 a request to Uber for it to provide UberWAV service in their cities. Plaintiffs’ reasonable  
8 modification claim thus turns on three questions: (1) whether Plaintiffs’ proposal that Uber  
9 provide WAV service is a modification within the meaning of the ADA; (2) if it is a modification,  
10 then whether that modification is reasonable; and (3) whether providing WAV service in New  
11 Orleans and Jackson would fundamentally alter Uber’s business. The questions of whether  
12 Plaintiffs’ proposal is a cognizable modification and whether the modification would  
13 fundamentally alter Uber’s business are addressed prior to discussing reasonableness.

14 *1. Whether Plaintiffs Have Proposed a Cognizable Modification*

15 Plaintiffs’ requested modification is for Uber to “turn on” the UberWAV option in New  
16 Orleans and Jackson. As a threshold matter, Uber argues that Plaintiffs have not requested a  
17 modification, and instead propose an “iterative process” to arrive at a desired metric.<sup>5</sup> In making  
18 this argument, Defendant relies on a recent case from this district, *Independent Living Resource*  
19 *Center v. Lyft*, No. C 19-01438 WHA, 2021 WL 3910719 (N.D. Cal. Sept. 1, 2021) (“Lyft”), in  
20 which electric wheelchair users requested Lyft, a rideshare provider like Uber, to implement WAV  
21 service in two California counties. In *Lyft*, the wheelchair users requested that Lyft not only  
22 provide WAV service but also meet certain wait time benchmarks, which would then entitle Lyft  
23 to funds from the state government. The court explained that this request was “not a concrete

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26 <sup>5</sup> The Court previously rejected Uber’s “outcome” vs. “modification” argument at summary  
judgment. *See* Summary Judgment Order, pp. 17-18.

1 proposal or modification” but rather “a performance standard” which “beg[ged] the question of  
2 how it could be done.” *Lyft*, 2021 WL 3910719, at \*11. The court concluded that plaintiff in that  
3 case “fail[ed] to show” how Lyft could meet the performance standard, “leaving it to Lyft and trial  
4 and error to figure it out.” *Id.*

5       Unlike in *Lyft*, there is not a specific performance standard that Uber must meet. Plaintiffs  
6 point to different mechanisms Uber could use to implement WAV service—the same mechanisms  
7 that Uber has used in other cities, such as leasing programs or commercial fleet partnerships. The  
8 existence of multiple paths Uber could take to implement WAV service does not make Plaintiffs'  
9 request an "iterative, experimental, or trial-and-error proposal[.]" *Id.* at \*9-10. After all, if a  
10 plaintiff's proposed modification specified a single mechanism to implement WAV service, but  
11 Uber could achieve the same WAV service using a cheaper mechanism, an injunction requiring  
12 the plaintiff's modification would prohibit Uber from using the more cost-effective mechanism,  
13 despite its ability to achieve the same on-the-ground result for the plaintiff. In other ADA  
14 contexts, an injunction does not need to specify the precise plan for implementing a modification.  
15 Indeed, a building owner required to install a ramp so wheelchair users may enter the building  
16 could choose between a variety of construction materials, designs, and contractors to build the  
17 ramp. Plaintiffs' requested modification is indeed a large modification. But it is nevertheless a  
18 modification within the meaning of section 12182(b)(2)(A)(ii). The size and breadth of this  
19 modification bears on its reasonableness, not whether it is a modification.

## 2. Uber's Fundamental Alteration Defense

21 Uber’s fundamental alteration defense also fails. Uber argues that Plaintiffs’ requested  
22 modification would fundamentally alter its business because (1) it does not offer UberWAV in  
23 Jackson or New Orleans, and (2) to implement the modification Uber would need to use a  
24 commercial fleet operator, and “[s]uch partnerships are a substantial deviation from Uber’s  
25 business model[.]” Defendant’s Post-Trial Brief, pp. 16-17. Concerning the first argument—that

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Uber does not currently offer UberWAV in Jackson and New Orleans—this argument simply states that because there is no UberWAV service, implementing it would fundamentally alter Uber’s business. Providing no authority in support of this argument, Uber apparently contends that any requested modification of its services is a fundamental alteration, which would allow it to escape ADA liability for any requested modification. This argument is therefore rejected. As for Uber’s argument that using commercial fleet partnerships is a fundamental alteration, Uber has used such partnerships in other cities. Even if Uber had not previously used that model, Plaintiffs’ proposed modification is still within the ambit of its business model: providing on-demand rides to people who request them via Uber’s app. *See Lyft*, 2021 WL 3910719, at \*8 (“WAV services would not fundamentally alter Lyft’s business because WAVs are not a ‘new transportation service.’ Lyft already provides WAV services where compelled to do so by local governments and voluntarily in Los Angeles and San Francisco[.]”). In short, the proposed modification would not fundamentally alter Uber’s business.

### 3. Whether the Modification is Reasonable

The ADA requires only the provision of “accommodations that are reasonable.” *Baughman v. Walt Disney World Co.*, 685 F.3d 1131, 1135 (9th Cir. 2012). “[D]etermination of whether a particular modification is ‘reasonable’ involves a fact-specific, case-by-case inquiry that considers, among other factors, the effectiveness of the modification in light of the nature of the disability in question and the cost to the organization that would implement it.” *Fortyune*, 364 F.3d at 1083 (citation omitted).

Although Plaintiffs have proposed a variety of ways Uber may implement WAV service in New Orleans and Jackson, these mechanisms come with varying advantages and drawbacks, and the parties have introduced evidence in favor of or against their likelihood of success. Thus, to understand whether the modification is reasonable, it is first necessary to evaluate the evidence on the different implementation mechanisms to determine which present viable possibilities.

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1 Uber argues that the only reliable method for implementing WAV service in New Orleans  
2 and Jackson is via a commercial fleet partnership, in which Uber contracts with another company  
3 to have WAVs and drivers at the ready to respond to riders' requests. According to estimates Uber  
4 obtained in the weeks leading up to trial from TowerWAV, a commercial WAV fleet operator,  
5 providing such service would cost \$800,000 per year (approximately \$400 per ride) in New  
6 Orleans and \$550,000 per year (approximately \$1,000 per ride) in Jackson.<sup>6</sup>

7 Plaintiffs argue that they presented evidence showing Uber could implement a WAV  
8 program in New Orleans and Jackson via any of the four implementation mechanisms Uber has  
9 used in other cities, or through a combination of any of the methods. More specifically, Plaintiffs  
10 argue that the non-commercial fleet partnership options— incentive programs, rental partnership,  
11 and a dispatch program—would be cheaper than a commercial fleet partnership. Plaintiffs also  
12 argue that the cost of a WAV program could be mitigated through the implementation of an  
13 accessibility fee on all rides, or through implementing cross-dispatching.

14 Plaintiffs insist that incentive programs—which could include sign-up bonuses, per trip  
15 bonuses, or waiving Uber’s collection of a service fee—would encourage people with personally  
16 owned WAVs to drive on the platform. As Uber employee Niraj Patel testified, however, Uber’s  
17 incentives work “when there is a sufficient existing base of both supply and customers to bring  
18 into [the Uber] marketplace,” Day Two Transcript, 234:13-17, and further testified that “incentive  
19 programs haven’t been very effective.” Day Three Transcript, 343:1. Plaintiffs have provided  
20 scant evidence of a sufficient existing base of WAVs in New Orleans and Jackson. Dr. Crawford

<sup>22</sup> <sup>23</sup> <sup>24</sup> <sup>25</sup> <sup>26</sup> <sup>6</sup> These estimates are based on providing 300 supply hours of WAVs and drivers per week. A supply hour is a metric that represents an hour a vehicle is available to receive requests and complete rides. According to the TowerWAV quote, 300 supply hours per week would cost \$52.21 per hour in both Jackson and New Orleans. The 300 supply hour quote is premised on having three WAVs and drivers on the road during operating hours. Fagent called 300 supply hours “a bare minimum[.]” Day Three Transcript, 395:10. He explained that “with just a few cars on the road, even if multiple requests came in at the same time, a trip could easily go unfulfilled or not completed[.]” Day Three Transcript, 395:14-16.

1 testified that in his home of Jackson, he is aware of seven or eight personal friends who own  
2 WAVs, along with a handful of independent operators who provided rides currently or in the past.  
3 In New Orleans, Plaintiffs point to Uber documents which show five WAVs were signed up on the  
4 Uber platform. There is also no indication that incentives alone would be effective at encouraging  
5 people to purchase WAVs. When asked whether “incentives [have] been effective at causing  
6 individuals to go out and buy WAVs and use them on Uber's platform?” Fagent answered “[n]o,  
7 they certainly have not been able to do that.”<sup>7</sup> Day Three Transcript, 402:7-10. In sum, there is not  
8 sufficient evidence that incentive programs for drivers with personally-owned WAVs would be  
9 effective.

10 Similarly, Plaintiffs have not provided evidence that a rental or leasing model would lead  
11 to a significant number of WAVs on the platform. To start, Uber no longer owns Xchange  
12 Leasing, so a leasing model would require a partnership with an outside company, as is the case  
13 with Uber's current partnership with Avis in Washington and Boston. Uber employees testified  
14 about challenges with the Avis partnership. Rupp testified that Avis is “not particularly interested  
15 in expanding because they don't own these vehicles for their retail rental business, and the vehicles  
16 that they have offered in these two cities have not been very popular among drivers. In fact,  
17 they've had difficulty maintaining a profitable or satisfactory level of utilization on the vehicles.”  
18 Day One Transcript, 175:17-22. Patel testified that Uber has not expanded the Avis partnership  
19 beyond Washington and Boston because “we have not been able to conclude that it's an effective  
20 method for getting WAVs onto the platform.” Day Two Transcript, 275:11-13. He further  
21 elaborated that “[w]e haven't been able to conclude that there is sufficient driver demand. We

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23 <sup>7</sup> Existing personally-owned WAVs may not even qualify for use on the platform, for example if  
24 they are an older vehicle model than is allowed on the platform. Plaintiffs have also not presented  
25 any evidence to establish that the ability to drive WAVs on Uber's platform, with incentives that  
26 would provide more compensation than for a typical UberX ride, would encourage people to  
purchase WAVs for use on the platform. For example, Dr. Crawford testified that in his  
experience, a new WAV would cost \$45,000 to \$60,000, and retrofitting an existing minivan  
would cost around \$20,000. Day One Transcript, 51:3-52:3.

1 haven't been able to conclude that if a driver does choose a WAV, that they will continue, because  
2 these are short -- these rentals can be returned." Day Two Transcript, 269:14-18. Without evidence  
3 that a rental partnership is succeeding in other markets or evidence supporting the idea that a  
4 partnership in New Orleans or Jackson would be more successful, there is insufficient evidence to  
5 support Plaintiffs' theory that Uber could pursue a rental program to implement WAV service in  
6 New Orleans and Jackson.

7 As for a dispatch model, Plaintiffs have provided no evidence that such a model could  
8 work outside of New York City, where the dispatch model is required by local ordinance. In New  
9 York, companies such as Uber and Lyft, along with hundreds of other transportation companies,  
10 are required either to be an accessible vehicle dispatcher or affiliate with such a dispatcher. *See*  
11 N.Y.C. Rules, tit. 35, § 59B-17(c), (f). Plaintiffs have not provided evidence that a central dispatch  
12 scheme could succeed without the kind of regulatory requirement present in New York City. After  
13 all, Uber could not force any other company to participate in such a scheme with it.

14 Plaintiffs also presented evidence that the cost of a commercial fleet partnership could be  
15 mitigated in two ways: via implementation of an accessibility fee, or by cross dispatching. Starting  
16 with an accessibility fee, Plaintiffs rely on a 2017 internal Uber presentation that states a three-to-  
17 four cent accessibility fee could "fully fund" the UberWAV program. Defendants explain that this  
18 calculation was based on earlier WAV service projections, when Uber projected to spend \$15.2  
19 million per year on WAV, rather than the more than \$50 million per year it actually spent in 2019  
20 and 2020. In addition, this calculation is not specific to WAV programs in New Orleans or  
21 Jackson. Dr. Cooper, Plaintiffs' expert, opined that a ten-cent fee would be sufficient to fund  
22 WAV efforts in New Orleans. Although his testimony was purportedly based on Uber's disclosure  
23 of quotes from TowerWAV, it is unclear how Dr. Cooper arrived at his opinion. Uber employee  
24 Fagent later testified that a ten-cent fee would not fully fund the WAV program, explaining that  
25 "looking at how many trips New Orleans completed last year, that was about 5 million trips;  
26 adding a 10-cent fee to the \$5 million trips is only \$500,000, when the cost to Uber was

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1 \$800,000.” Day Three Transcript, 398:24 – 399:2.

2 The broader issue with relying on an accessibility fee to counter any additional costs Uber  
3 may incur is the unforeseen ramifications on demand for Uber’s services. Unlike the “fees”  
4 collected in jurisdictions required by regulation, Plaintiffs’ proposed accessibility fee would apply  
5 only to Uber, rather than equally across all competitors. Uber employee Niraj Patel testified that  
6 an analysis of how much money would be raised via an accessibility fee would need to consider  
7 “how much that would generate versus how much business we would lose.” Day Two Transcript,  
8 295:5-6. Plaintiffs have presented no evidence to demonstrate that an increase in price would not  
9 result in a decrease in business. That is not to say that an accessibility fee could not succeed and  
10 either cover, or greatly diminish, Uber’s expenses in implementing a WAV program in Jackson or  
11 New Orleans. Yet, Plaintiffs have not presented reliable evidence that such a fee could diminish  
12 the cost of a WAV program without impacting revenue.

13 Finally, Plaintiffs argue that the cost of a WAV program could be diminished through  
14 cross-dispatching. Cross-dispatching refers to using UberWAV vehicles for other purposes, such  
15 as UberX rides or UberEats deliveries, during downtime between requests for UberWAV rides.  
16 When cross-dispatching is permitted, a WAV on the road would bring in more revenue for Uber,  
17 because its downtime would be partially filled with other trips. As Uber employee Connor Fagent  
18 testified, however, this increased revenue would come at the price of reliability, as a WAV would  
19 be more likely to be completing another ride elsewhere at the time of an UberWAV request. *See*  
20 Day Three Transcript, 386:15-19 (explaining that when cross-dispatching is enabled, a WAV drive  
21 “might be preoccupied quite a bit with those UberX requests and so during the times that they’re  
22 on UberX requests, they’re not on or eligible for WAV requests. So you’re trading off maybe costs  
23 for not as much availability”). Thus, while cross-dispatching could reduce costs, it would also  
24 decrease the effectiveness of the service.

25 Based on the evidence before the Court, implementation of a successful WAV program in  
26 New Orleans and Jackson would likely require a commercial fleet partnership. Uber may be able

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1 to reduce the cost of such a partnership via combining this model with other options, like driver  
2 incentives, a leasing partner, or a dispatch model, but based on the evidence presented at trial, it  
3 does not appear likely that one of those models could succeed on its own. Uber may also be able  
4 to reduce its own costs via an accessibility fee or implementing cross-dispatching to use the time  
5 of WAV vehicles and drivers more efficiently. It is unclear how much money would be saved  
6 while maintaining desired levels of service—especially given the already limited nature of service  
7 from a commercial operator in terms of vehicles on the road and hours served. Thus, the  
8 reasonableness of the proposed modification is considered in light of Uber’s likely need to  
9 implement a commercial vehicle partnership.

10       Uber argues that for a modification to be reasonable, it must only impose a *de minimis*  
11 cost, but this argument is unsupported by caselaw. Uber points to a variety of cases in which the  
12 cost of a modification was *de minimis*. *See PGA Tour, Inc. v. Martin*, 532 U.S. 661, 682 (2001)  
13 (allowing professional golfer to use a golf cart rather than walking in certain tournaments);  
14 *Fortyune*, 364 F.3d at 1084; *Doud v. Yellow Cab Co. of Reno*, No. 3:13-CV-00664-MMD, 2014  
15 WL 4302552, at \*5 (D. Nev. Aug. 28, 2014) (explaining that taxi company’s “practice of refusing  
16 to transport disabled individuals who use motorized scooters in standard taxis when their  
17 disassembled mobility equipment fits in the trunk of a standard taxi” likely violates the ADA);  
18 *Anderson v. Franklin Institute*, 185 F.Supp.3d 628, 652-53 (E.D. Pa. 2016) (requiring museum to  
19 waive general admission fee for personal care attendant, when such a waiver would not cost the  
20 museum more than \$1 per waived admission). In all of these cases, however, the courts did not  
21 find that the modification was reasonable only because there was little or no cost. Cost is certainly  
22 a key consideration when evaluating the reasonableness of a modification, *see Fortyune*, 364 F.3d  
23 at 1083 (“An accommodation is not reasonable if it imposes undue financial and administrative  
24 burdens.” (internal quotation marks and citation omitted)), but it is not the only one.

25       Plaintiffs point to a number of cases which arise in the context of transportation where a  
26 defendant was ordered to incur a significant financial burden to comply with the ADA. In *Cupolo*  
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1       *v. Bay Area Rapid Transit*, 5 F.Supp.2d 1078 (N.D. Cal. 1997), Bay Area Rapid Transit, the light  
2       rail system serving San Francisco and the surrounding area, was required to spend significant  
3       resources on elevator maintenance to ensure compliance with the ADA. In *American Council of*  
4       *the Blind of New York v. City of New York*, 495 F.Supp.3d 211 (S.D.N.Y. 2020), the City of New  
5       York was required to install accessible signals at street intersections, at an estimated cost of  
6       \$60,930 per intersection or \$870 million total, per the City’s estimates. *Id.* at 224, 241. The district  
7       court in *Culvahouse v. City of LaPorte*, 679 F.Supp.2d 931 (N.D. Ind. 2009) ordered an Indiana  
8       city to render its existing sidewalks accessible to wheelchairs, at an estimated cost of \$5.8 million.  
9       *Id.* at 935.

10        Each of these cases involved an application of Title II of the ADA, rather than Title III,  
11 which is applicable here. Title II applies to state and local government entities, while Title III  
12 applies to privately-run public accommodations. These Title II cases, however, are nonetheless  
13 helpful comparisons because they involve transportation or the ability to move from one place to  
14 another. Access to transportation does not just allow access to that specific service, it facilitates  
15 engagement with the world at large. As the district court in *Cupolo* concluded, “[t]he difficulties  
16 class members have encountered with BART's elevators have [] interfered with the  
17 accomplishment of the ADA's policy of assuring equal opportunity, full participation, independent  
18 living, and economic self-sufficiency to individuals with disabilities.” 5 F.Supp.2d at 1084. The  
19 opportunity to move from place to place is central to the idea of full participation in society,  
20 independent living, and self-sufficiency. Thus, when considering “the effectiveness of the  
21 modification in light of the nature of the disability in question[,]” *Fortyune*, 364 F.3d at 1083,  
22 creating reliable access to transportation when no such access was consistently available is a  
23 highly effective modification. Cases concerning access to transportation should not be viewed as  
24 analogous to cases involving access to amenities, such as museums, amusement parks, and movie  
25 theaters. That implementing UberWAV requires more than a *de minimis* cost does not  
26 automatically make the modification unreasonable.

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1       When considering both the cost and the effectiveness of the proposal, however, Plaintiffs' 2 proposed modification is unreasonable. Based on the evidence Uber presented, a commercial 3 operator model would cost \$800,000 per year (approximately \$400 per ride) in New Orleans and 4 \$550,000 per year (approximately \$1,000 per ride) in Jackson. Notably, these costs would not 5 even provide a level of service equal to the level of service available on the UberX platform. The 6 estimates were for 16 hours of service on weekdays, and 10 hours of service on weekends. There 7 would thus be large gaps of time in which no UberWAV service is available. Further, as described 8 in testimony from Uber employee Fagent, having only three vehicles on the road at a given time 9 would be the bare minimum to provide service, and even during the "online" hours some ride 10 requests would go unfulfilled if there were more than three simultaneous requests.

11       In the *Lyft* case, the anticipated cost-per-WAV-ride was disputed, but the lowest estimate 12 was \$622. The court held that this amount was unreasonable, regardless of whether the court 13 looked to Lyft's size, wealth, or level of resources, stating that "[e]ven a vast bottom line does not 14 transform exorbitant modifications into reasonable ones." *Lyft*, 2021 WL 3910719, at \*16. The 15 cost-per-ride estimates here are similar to those in *Lyft*. Further, cost-per-ride is not the only 16 metric to consider when evaluating reasonableness. Here, the estimated costs of providing WAV 17 service anticipate a barebones WAV program that would likely require significant wait times, and 18 service only at certain times of day. Courts must consider "the effectiveness of the modification" 19 when assessing reasonableness. *Fortyune*, 364 F.3d at 1083. Although WAV service has the 20 potential to transform lives through creating easy access to WAV rides, the high cost here would 21 not even provide wheelchair users with the kind of 24/7 access UberX provides. The anticipated 22 cost here is too high for the limited service that would result, making the proposed modification 23 unreasonable.

24       It is very possible that the TowerWAV quote is inflated. Uber procured a quote from one 25 26 27 28

1 company just weeks before trial.<sup>8</sup> Uber did not request quotes from multiple companies or attempt  
2 to engage in negotiations to receive a lower price. Any idea of what that lower price would be,  
3 however, is speculation, in the absence of other estimates of what a commercial operator would  
4 charge to provide service. Further, as explained in the discussion of each operation model, there is  
5 inadequate evidence that any of the other models would be viable in New Orleans and Jackson.  
6 Plaintiffs' argument that the use of a commercial operator in tandem with another model would  
7 reduce costs is thus similarly speculative based on the evidence introduced at trial.

8 This decision should not, however, be read to adopt Uber's argument that any cost must be  
9 *de minimis*, nor that a lawsuit demanding a rideshare company implement WAV service can never  
10 succeed. Uber has placed itself in the business of transportation, and transportation implicates each  
11 person's "full participation, independent living, and economic self-sufficiency" in society,  
12 including people with disabilities. *Cupolo*, 5 F.Supp.2d at 1084. A request for modification so that  
13 a person may access all parts of his or her hometown must be viewed differently than a request to  
14 access a single amenity. Cost is a factor in assessing reasonableness, however, and a cost of  
15 \$800,000 per year in New Orleans and \$550,000 per year in Jackson for service that is markedly  
16 different than UberX service—most notably, in that there are large spans of days in which no  
17 coverage is provided—is not reasonable.

18 One final note is necessary. The first argument section of Uber's Post-Trial Brief is entitled  
19 "Uber Has Done More Than Its Fair Share on WAV And Should Not Be Punished For It."  
20 Defendant's Post-Trial Brief, p.2. Defendant argues that "Plaintiffs seek to weaponize Uber's  
21 positive steps and efforts against Uber, by forcing the company to do that work—and suffer even

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<sup>8</sup> Even if Uber had not procured the quote from TowerWAV, the result in this case would be the same. Plaintiffs bear the burden of proving reasonableness, and part of that analysis is cost. For the reasons explained earlier, Plaintiffs' evidence concerning minimization of cost, such as via accessibility fees, is not persuasive. To succeed, Plaintiffs needed to provide some kind of non-speculatory evidence showing the cost to implement WAV service would not be beyond the bounds of reasonableness. Plaintiffs have failed to do so.

1 greater financial losses—in New Orleans and Jackson.” *Id.* While as explained above, the  
2 modification would not be reasonable, and no injunction requiring Uber to provide WAV service  
3 in the applicable cities is warranted, such an injunction would not constitute “punishment” as  
4 characterized by Uber. Complying with the ADA and providing access to people with disabilities  
5 is not a punishment, it is the law. Further, the argument that Uber has done its “fair share” in  
6 providing WAV access in other cities mischaracterizes the purpose and design of the ADA.  
7 Although Uber is correct that just because it has taken an action in one city does not mean it is  
8 obligated to take that action in another city, *Lyft*, 2021 WL 3910719, at \*17, the language “fair  
9 share” implies that WAV users are due a finite number of resources. The ADA does not adopt  
10 such an approach, however, and evaluates each proposed modification for its reasonableness.  
11 WAV service must be provided whenever a plaintiff meets the burden of proving an ADA  
12 violation, regardless of whether the defendant already provides more or less WAV service than  
13 others.

14 In short, there has been insufficient evidence presented in this particular case to  
15 demonstrate that the proposed modification is reasonable. The claim for failure to make reasonable  
16 modifications in violation of 42 U.S.C. § 12184(b)(2)(A) therefore fails.

## 17 **VIII. Screening Out People With Disabilities in Violation of 42 U.S.C. § 12184(b)(1)**

### 18 A. Legal Standard

19 Section 12184(b)(1) prohibits discrimination through the “imposition or application . . . of  
20 eligibility criteria that screen out or tend to screen out an individual with a disability or any class  
21 of individuals with disabilities from fully enjoying the specified public transportation services  
22 provided by the entity[.]” 42 U.S.C. § 12184(b)(1). An entity has an affirmative defense to the  
23 requirement if “such criteria can be shown to be necessary for the provision of the services being  
24 offered[.]”<sup>9</sup> *Id.*

25 \_\_\_\_\_  
26 <sup>9</sup> Section 12184(a) also requires that the defendant be “a private entity that is primarily engaged in  
27 the business of transporting people and whose operations affect commerce.” This Court previously  
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## B. Discussion

Plaintiffs argue that Uber's vehicle criteria screens out WAVs by (1) banning vans and (2) prohibiting aftermarket seating modifications. Most WAVs are minivans or vans which receive aftermarket modifications to remove seats and thus create space for an electric wheelchair. In both New Orleans and Jackson, Uber's listed vehicle requirements prohibited vans and vehicles with aftermarket seating alterations, amongst other restrictions.

Plaintiffs argue that the ban on vans includes both vans and minivans—and thus encompasses almost all WAVs. This argument is unconvincing. Plaintiffs have not shown that the term “van” is synonymous with minivans. Further, Uber presented evidence that minivans were shown on its lists of accepted vehicles, which prospective drivers could review to determine whether their vehicle would meet Uber’s requirements. Thus, the ban on vans did not alone screen out most WAVs.

The ban on aftermarket seating modifications, however, would effectively screen WAVs from the platform. Witnesses testified that WAVs are frequently made by removing seats from a minivan, and thus undergo aftermarket seating alterations. Uber argues its ban on aftermarket seating modifications only concerns the addition of new seats. Yet, nowhere in Uber's policy does it state that "aftermarket seating modifications" only refers to "aftermarket seating additions."

Uber argues that had a WAV owner inquired about driving for Uber, it would have allowed that person to drive for the platform. That argument, however, stands in contrast to testimony from Uber employee Robert Rupp, who stated that Uber did not permit any exceptions to its requirements. Rupp agreed with Plaintiffs' statement that Uber's "requirements apply to vehicles such that if the vehicle doesn't meet the requirements, that vehicle can't be used in Uber's products[.]" Day One Transcript, 151:15-18. Rupp also agreed that Uber implements and enforces

ruled that Uber is a covered entity under the statute and that its operations affect commerce. *See* Summary Judgment Order, at pp. 7-11.

the listed vehicle requirement.

Uber contends that even if it was screening out WAVs from its platform, enforcement of its criteria is necessary to maintain its insurance contracts. While maintenance of insurance policies may be important to Uber’s business, Uber has nonetheless failed to carry its burden of showing it cannot maintain those policies while allowing WAVs that have undergone aftermarket seating modifications by licensed technicians and according to safety standards to operate on its platform. Indeed, WAVs operating on UberWAV in cities where the platform exists must have certification that the aftermarket modifications adhere to safety guidelines.<sup>10</sup> Further, Uber also argues that it is necessary to have standard criteria—such as the availability of four passenger seats—such that any vehicle can accommodate four passengers. Uber, however, would not have to abandon this criteria to accept WAVs onto its platform; instead, it could still prohibit WAVs that did not contain the designated number of passenger seats.

The failure to allow WAVs onto the existing UberX platform, however, does not alone “screen out” people who use electric wheelchairs. As explained above, when a customer requests a ride on the UberX platform, any driver who is approved to drive on that platform could be matched to provide a ride, regardless of whether that driver operates a WAV. Explicitly allowing WAVs on the UberX platform, when those vehicles otherwise meet the UberX requirements, would provide no guarantee of WAV service for Plaintiffs. Further, the scant evidence of how many WAVs are currently operated in New Orleans and Jackson means that Plaintiffs have not even established a possible likelihood that a WAV would be matched to their request by chance. Plaintiffs have presented evidence of less than 10 WAVs in operation in each city. In effect, the lack of WAVs in operation would screen Plaintiffs out of using the platform, rather than the policy which does not allow WAVs. Thus, based on the evidence, the “eligibility criteria” does not itself

<sup>10</sup> Specifically, a driver seeking to use a WAV on the UberWAV platform would need to “show proof that it was modified by a [National Mobility Equipment Dealers Association]-certified organization[.]” Day Three Transcript, 411:24-25.

1 screen out people with disabilities in violation of § 12184(b)(1).

2 **IX. Conclusion**

3 Plaintiffs have failed to present adequate evidence that Uber has violated 42 U.S.C. §§  
4 12184(b)(1) and 12184(b)(2). Judgment will therefore be entered in favor of Defendants.

5  
6 **IT IS SO ORDERED.**

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8 Dated: July 25, 2022



9  
10 RICHARD SEEBORG  
Chief United States District Judge

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12 United States District Court  
13 Northern District of California  
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