

J. Craig Venter Institute, La Jolla Transportation Demand Management Plan

Project Overview

The J. Craig Venter Institute (JCVI) is a private, not-for-profit research institute dedicated to the advancement of the science of genomics; the understanding of its implications for society; and the communication of those results to the scientific community, the public, and policymakers. JCVI plans to build a 45,000 gross square foot research facility on the UCSD campus to promote collaborative research with Scripps Institution of Oceanography (SIO), UCSD Health Sciences, and the UCSD general campus. The facility would be developed and occupied under a long-term ground lease with The Regents of the University of California.

JCVI anticipates that the building will achieve LEED Platinum certification. JCVI is also pursuing net-zero electricity use by covering the facility's roof with photovoltaic panels and by using cutting-edge energy efficiency measures within. If successful, JCVI's new building will be the first carbon-neutral biological research building in the world.

The facility is designed to house approximately 125 staff members at full occupancy; however, initial staffing levels might be half that number and full occupancy might not occur until 2015. A single-level parking area below the building (a half-level below the ground to allow ventilation and screened from view) is designed to house 112 cars, with 80 single car spaces, 27 tandem spaces, and five handicapped-accessible spaces. JCVI will employ a pay-for-parking permit program for all on-site parking, plus additional measures described in this Transportation Demand Management (TDM) Plan, to reduce the reliance on single occupant vehicles (SOV).

A key objective of this TDM Plan is to ensure that JCVI will provide and foster a variety of transportation alternatives for staff and visitors so that there is no need to park in the community or on Torrey Pines Road. Also, an ongoing part of this Plan includes JCVI periodically monitoring its alternative transportation and parking modes to verify that JCVI is continuing to serve its own needs as well as those of UCSD and the adjacent La Jolla community.

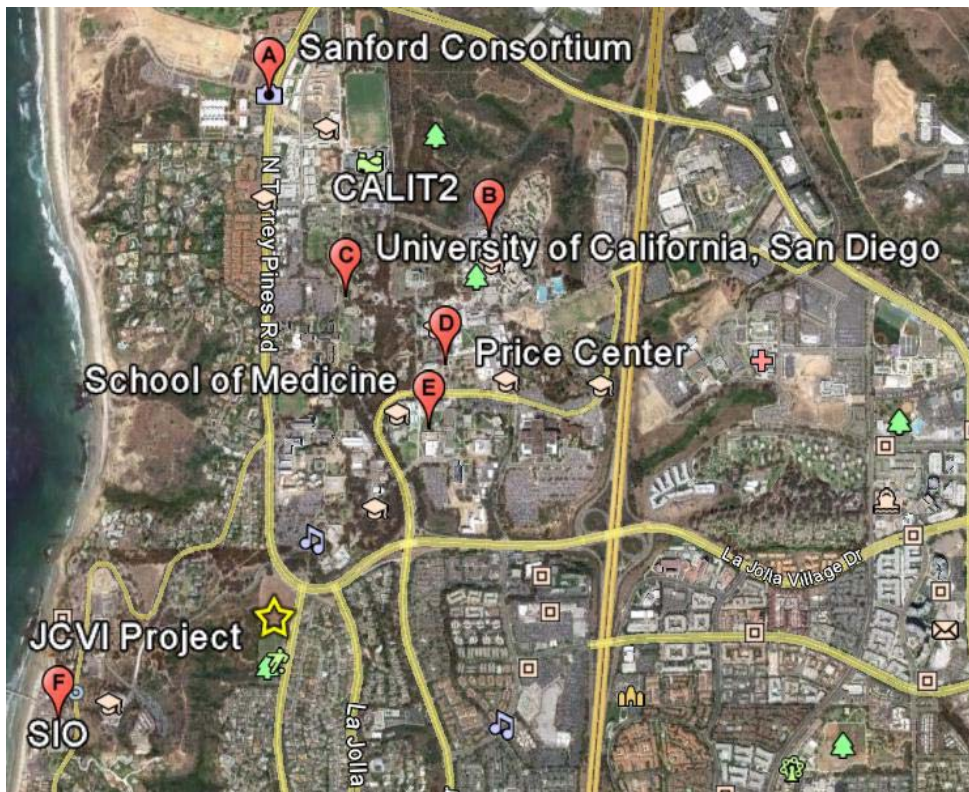
Over the next year and prior to building occupancy, the Institute will continue to revise and add additional detailed specifics to this TDM Plan. JCVI will confer with UCSD's Transportation Services to mirror and follow all appropriate alternative transportation modes available to UCSD faculty, staff and students, in addition to several measures specific to JCVI.

JCVI's new building will be located on an approximately 1.9-acre parcel within the SIO Upper Mesa neighborhood of the UCSD campus. The project site is located approximately 350 feet south of the intersection of North Torrey Pines Road/La Jolla Village Drive and Torrey Pines Road and north of Allen Field, a City of San Diego recreation field (Figure 1, *Project Site Location Map* and Figure 2, *Site Vicinity Map*).

Figure 1: Project Site Location Map



Figure 2: Site Vicinity Map



Area Transit

The building location is currently served by three significant transit authorities that JCVI plans to leverage in accordance with this Transportation Demand Management plan: San Diego Metropolitan, North County Transit, and UCSD Campus Transportation. (Figure 3, *NCTD and MTS Route Map* and Figure 4, *UCSD Route Map*).

- 1) San Diego Metropolitan Transit Services offers a rich array of transit opportunities from downtown San Diego, UCSD: Hillcrest, Pacific Beach, and La Jolla including the Routes 3, 10, 30, 41, 101, 150, 201/202, and 921. Of the routes offered, the most convenient and central to JCVI is Route 30. The 30 operates between Downtown San Diego, Old Town, UCSD, and La Jolla/UTC. Running every 15 minutes on weekdays with a stop ~135 yards from the front door of JCVI building. (Appendix A: San Diego Metropolitan Service Schedules)
- 2) North County Transit District (NCTD) provides two transportation systems important for accessing the JCVI site. The Coaster train is a commuter train running north-south and serving eight stations between Oceanside and downtown San Diego with a stop in Sorrento Valley. The Sorrento Valley Coaster station is located 3.3 miles away from the JCVI building. This station is regularly serviced by a UCSD shuttle that runs every 20-50 minutes between 5:45 AM and 7:00 PM during the regular work week. The most important bus in the NCTD bus system for accessing JCVI's new site is the 101. The 101 runs down the length of the Pacific Coast Highway from Oceanside to University Town Center in La Jolla with a stop ~330 yards from JCVI's front door. The NCTD also administers a North County bus system called the Breeze. The Breeze carries passengers from Oceanside to Del Mar, northeast to Escondido, east to Ramona, north to Fallbrook and to San Clemente in Orange County. (Appendix B: NCTD Service Schedules)
- 3) The UCSD campus has a well developed bus and shuttle system providing several additional transportation options to the JCVI site. UCSD's main transit centers provide access not only to destinations throughout the campus but also direct links to the Sorrento Valley Coaster station and bus routes operated by the MTS and NCTD transit authorities including the 150, 41, 30, 101, and 921 buses. In addition to the existing transit hubs, plans are currently in place for future access to SANDAG's Light Rail Transit Project with planned stops at both the east and west ends of UCSD's campus.

Access to UCSD's shuttle system would allow JCVI's staff greater ease of access to their workplace through public transportation and expand commuting alternatives into more affordable areas not serviced by the coastal routes of the 30 and 101 buses. Access to the UCSD shuttle system will also facilitate opportunities for collaboration between JCVI and UCSD staff. (Appendix C: UCSD Service Schedules)

Note that because the building is within a ¼ mile radius of two public bus lines (as well as the campus shuttle stop), it is eligible to achieve LEED credit SS 4.1 *Alternative Transportation—Public Transportation Access*.

Figure 3, NCTD and MTS Route Map

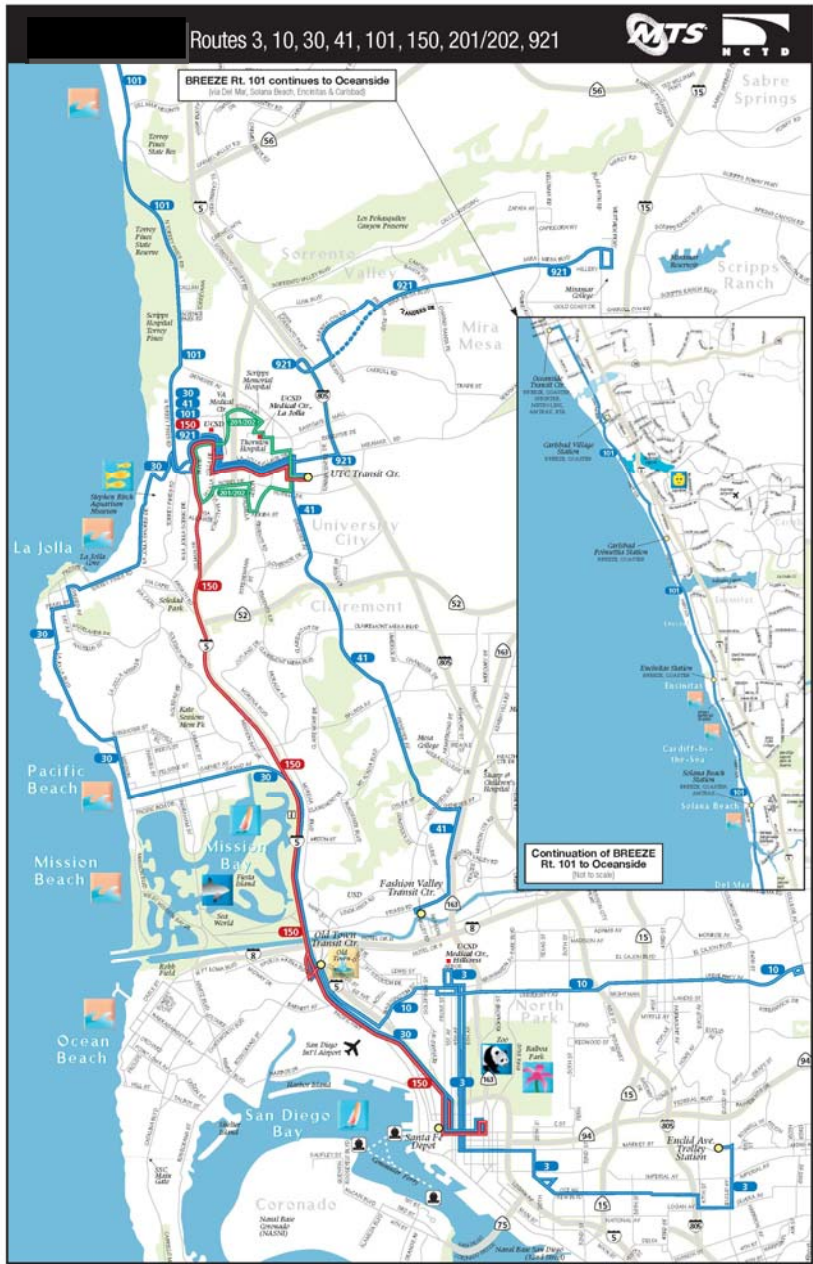
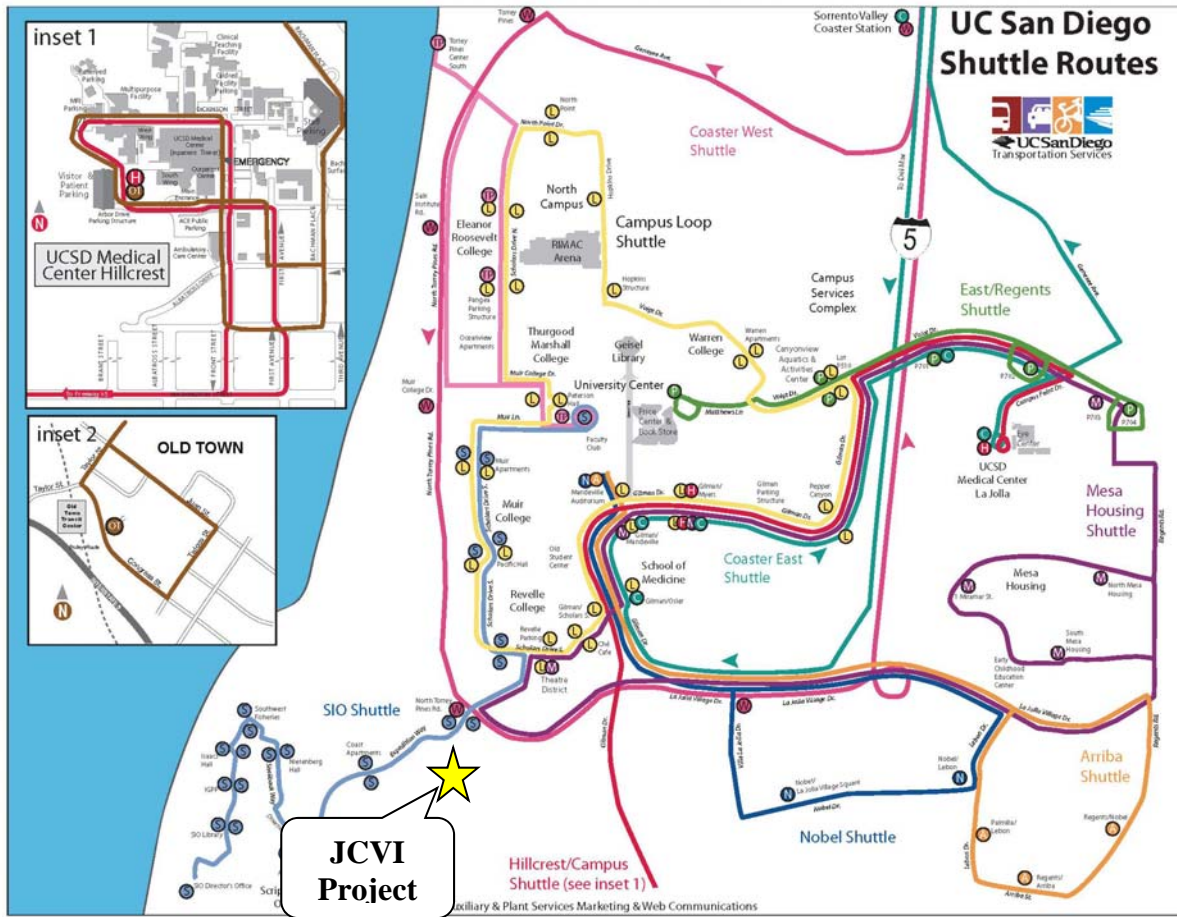


Figure 4, UCSD Transportation Services Map



JCVI TDM Plan Strategies

During the construction phase and prior to JCVI occupying its new facility, JCVI will continue to develop detailed specifics within this TDM Plan and looks forward to working with UCSD's Transportation Services department. JCVI is willing to adopt all appropriate alternative transportation modes that the University makes available to its own faculty, staff and student populations, in addition to several measures specific to JCVI.

JCVI will designate an internal Transportation Coordinator for managing and monitoring the use and effectiveness of the TDM plan. The Transportation Coordinator will:

- Periodically survey facility occupants for ideas to further reduce single-occupancy vehicle use and evaluate the effectiveness of existing programs.
- Coordinate with JCVI's Human Resources department for the purposes of involving new employees and developing transportation related recruiting tools.
- Create an intranet site to provide both 1) information about alternative transportation programs and 2) track and coordinate users of these programs.
- Periodically meet with UCSD's Transportation Services Group as a source of new ideas and opportunities and to make sure that JCVI's TDM plan is not in conflict with UCSD's transportation policies.

There are several trip-reduction strategies that JCVI will implement to promote alternatives to SOV commuting. These strategies include:

1. Subsidies and Pre-Tax Deductions

- JCVI will provide a monthly subsidy for employees who choose to use alternative transportation for commuting to work. JCVI will subsidize up to \$50/month towards any of the alternative transportation means described below.
- JCVI will also provide staff with pre-tax transportation benefits available to them under the Internal Revenue Code section 132(a). JCVI will engage a third party transportation administrator or internally manage pre-tax payroll deductions through its Human Resources department.

2. Parking

- JCVI will charge employees for onsite parking to discourage SOV commuting and encourage commuting by alternate means. JCVI will offer 110 parking permits to its employees.
- JCVI will provide a 20% discount to the standard permit price to all qualifying low-emitting and fuel-efficient vehicles, carpools, and vanpools. The building will thus be eligible to obtain LEED credits SS 4.3: *Alternative Transportation--Low-Emitting and Fuel Efficient Vehicles* and SS 4.4 *Alternative Transportation—Parking Capacity*.
- To encourage part-time use of alternative transportation by permit holders, JCVI will provide parking rebates to permit holders for each normal working day they use mass transit, carpool, or bicycle instead of drive to work. Parking rebates will be credited at the end of each month to the next month's parking fee. JCVI will

continuously monitor parking requirements and may revise upward the number of parking permits issued depending on observed peak volume traffic.

- When permit parking begins at the new building, JCVI will have in place the appropriate controls for its employees to be able to use the pretax benefit as a means to pay for their parking.
- As required by parking volume, JCVI will provide an onsite parking attendant who will ensure the most effective use of the tandem parking spaces and assist with Special Events parking as necessary.

The underground parking available within JCVI’s building follows:

<i>Standard Vehicle Parking</i>	
Standard parking spaces	80
Tandem parking spaces	27
<u>Handicapped-accessible parking spaces</u>	<u>5</u>
TOTAL	112
<i>Other Vehicle Parking</i>	
Motorcycle parking spaces	7
<u>Bicycle parking spaces</u>	<u>28</u>
TOTAL	35

3. Buses and Trains
 - Offer pre-tax deduction for daily users of Coaster trains
 - Offer pre-tax deduction for daily users of Metropolitan and North County Transit buses
 - Participate in the MTS Compass Card program
 - Participate in SANDAG’s iCommute program Guaranteed Ride Home Program (GRH)
 - Bus and train fees will be eligible for JCVI alternative transportation subsidy.

4. UCSD Transportation Services
 - Several UCSD shuttle stops already exist along Expedition Way and are within walking distance to the JCVI project. Specifically, the Scripps Institution of Oceanography shuttle has a stop directly on the corner of Expedition Way and North Torrey Pines Road adjacent to the JCVI project site. The SIO shuttle makes stops at Revelle College and SIO. Access to the SIO shuttle provides access to the university’s main transit areas and the west side of campus. JCVI would like to work with UCSD’s Transportation Services to determine the feasibility of using UCSD’s main campus shuttle system as an additional means of transport. The ability to utilize these services would greatly enhance JCVI’s alternative transportation by leveraging existing infrastructure to access all areas of the campus, as well as the local transit hubs located at the VA Hospital, Gilman Drive, and Myers Drive.

5. Carpools and Vanpools

- Offer ride matching assistance through three specific programs:
 - i. JCVI internal carpool matching database: All employees will be asked if they would like to participate in an internal carpool matching program. Participation will be managed through the Transportation Coordinator.
 - ii. UCSD ride matching program: Employees will be provided with information to expand their ride matching search through existing programs at UCSD.
 - iii. SANDAG ride matching program: Employees will be provided with information to further expand their ride matching search through existing programs offered through SANDAG.
- Offer pre-tax deduction to daily users of vanpools.
- Participate in SANDAG's Regional Vanpool Program for longer distance commuters.
- Vanpooling fees will be eligible for JCVI alternative transportation subsidy.

6. Bicycle Commuting

- Install bike racks at facility bicyclists. With space for 28 bicycles and showers conveniently located in the facility's parking garage, the building will qualify for LEED credit SS 4.2 *Alternative Transportation—Bicycle Storage and Changing Rooms*.
- Provide showers at the facility
- Reimburse staff for allowable bicycle commuting expenses up to \$20 per month in accordance with IRS regulations. Expenses would be eligible for JCVI alternative transportation subsidy.
- Affiliate with UCSD Pedal Club for daily bicycle commuting
- Foster own group

JCVI will adopt the following measures to reduce the inconvenience of not having a personal vehicle available at work (thereby encouraging use of alternative transportation modes):

1. Bicycles

- Provide standard and electric bicycles for on-campus travel. Employees registered with the Transportation Coordinator and utilizing alternate means of transportation to the site will be given priority use of bicycles and carts; however, JCVI will allow all employees to participate in this program to further its goal of reducing CO₂ emissions.
- JCVI will provide storage space and charging stations in the parking garage to support the bicycle and cart program.

2. JCVI Van

- JCVI will explore purchasing a van for various transit needs. Continuing analysis of transportation patterns will be used to determine the necessity, capacity, and schedule for such a service.

Finally, JCVI will also adopt the following:

1. Remote Parking
 - For special events, JCVI will coordinate with UCSD and/or private local parking garages (e.g., the A.C.E. parking structure located at 3777 La Jolla Village Drive) to provide parking at remote sites and then shuttle guests to and from the building.
2. Parity with UCSD Alternative Transportation Program
 - Continue to use UCSD's alternative transportation program as a model to add new opportunities.

Monitoring Program

To evaluate the effectiveness of this TDM plan JCVI will develop a series of performance standards to assist in its efforts to reduce SOV commuting. The identified Transportation Coordinator will be responsible for collecting performance data to include:

1. Regular evaluation of number of staff commuting via SOV, carpool, vanpool, public transit and bicycling. Studies will start being conducted on a quarterly basis six months prior to occupancy and will continue throughout occupancy.
2. Reporting of issued parking permits to JCVI Human Resources and senior Operations staff.
3. Periodic meetings with employees participating in alternative transportation programs to encourage feedback on the program's strengths and weaknesses
4. Updating incentives and programs and possibly developing new targets as required for achieving reduced SOV commuting.

Appendix A: San Diego Metropolitan Service Schedules

Route 30, North, Weekdays
(FROM 9th Ave & "B" St TO UTC Transit Center)

9th Ave & "B" St	10th Ave & C St	1st Ave & Ash St	11th Ave & Broadway	Old Town Transit Center West	Old Town Transit Center West	Grand Ave & Mission Bay Dr.	Mission Blvd & Felspar St.	Silverado St & Herschel Ave.	N. Torrey Pines & La Jolla Shores	V.A. Medical Center	UTC Transit Center
5:11 AM	--	5:20 AM	--	5:27 AM	5:30 AM	5:39 AM	5:49 AM	6:06 AM	6:16 AM	6:24 AM	6:33 AM
5:41 AM	--	5:50 AM	--	5:57 AM	6:00 AM	6:09 AM	6:19 AM	6:36 AM	6:46 AM	6:54 AM	7:03 AM
5:54 AM	--	6:04 AM	--	6:12 AM	6:15 AM	6:24 AM	6:34 AM	6:52 AM	7:03 AM	7:12 AM	7:21 AM
6:09 AM	--	6:19 AM	--	6:27 AM	6:30 AM	6:39 AM	6:49 AM	7:08 AM	7:19 AM	7:29 AM	7:39 AM
6:23 AM	--	6:34 AM	--	6:42 AM	6:45 AM	6:54 AM	7:05 AM	7:24 AM	7:35 AM	7:45 AM	7:55 AM
6:37 AM	--	6:48 AM	--	6:56 AM	6:59 AM	7:08 AM	7:19 AM	7:38 AM	7:50 AM	8:00 AM	8:10 AM
6:51 AM	--	7:02 AM	--	7:10 AM	7:13 AM	7:23 AM	7:35 AM	7:54 AM	8:06 AM	8:16 AM	8:26 AM
7:05 AM	--	7:16 AM	--	7:24 AM	7:27 AM	7:37 AM	7:49 AM	8:09 AM	8:22 AM	8:32 AM	8:42 AM
7:20 AM	--	7:31 AM	--	7:39 AM	7:42 AM	7:52 AM	8:04 AM	8:24 AM	8:37 AM	8:47 AM	8:57 AM
7:35 AM	--	7:46 AM	--	7:54 AM	7:57 AM	8:07 AM	8:19 AM	8:39 AM	8:52 AM	9:02 AM	9:12 AM
7:50 AM	--	8:01 AM	--	8:09 AM	8:12 AM	8:22 AM	8:34 AM	8:54 AM	9:07 AM	9:17 AM	9:27 AM
8:05 AM	--	8:16 AM	--	8:24 AM	8:27 AM	8:37 AM	8:49 AM	9:09 AM	9:22 AM	9:32 AM	9:42 AM
8:20 AM	--	8:31 AM	--	8:39 AM	8:42 AM	8:52 AM	9:04 AM	9:24 AM	9:37 AM	9:46 AM	9:56 AM
8:35 AM	--	8:46 AM	--	8:54 AM	8:57 AM	9:07 AM	9:19 AM	9:39 AM	9:52 AM	10:01 AM	10:11 AM
8:50 AM	--	9:01 AM	--	9:09 AM	9:12 AM	9:22 AM	9:34 AM	9:54 AM	10:07 AM	10:16 AM	10:26 AM
9:04 AM	--	9:16 AM	--	9:24 AM	9:27 AM	9:36 AM	9:48 AM	10:08 AM	10:21 AM	10:30 AM	10:40 AM
9:20 AM	--	9:32 AM	--	9:40 AM	9:43 AM	9:52 AM	10:03 AM	10:22 AM	10:35 AM	10:44 AM	10:54 AM
9:36 AM	--	9:48 AM	--	9:56 AM	9:59 AM	10:08 AM	10:19 AM	10:38 AM	10:50 AM	10:59 AM	11:09 AM
9:52 AM	--	10:04 AM	--	10:12 AM	10:15 AM	10:24 AM	10:35 AM	10:54 AM	11:06 AM	11:15 AM	11:25 AM
10:07 AM	--	10:19 AM	--	10:27 AM	10:30 AM	10:39 AM	10:50 AM	11:09 AM	11:21 AM	11:30 AM	11:40 AM
10:22 AM	--	10:34 AM	--	10:42 AM	10:45 AM	10:54 AM	11:05 AM	11:24 AM	11:36 AM	11:45 AM	11:55 AM
10:38 AM	--	10:50 AM	--	10:58 AM	11:01 AM	11:10 AM	11:21 AM	11:40 AM	11:52 AM	12:01 PM	12:11 PM
10:54 AM	--	11:06 AM	--	11:14 AM	11:17 AM	11:26 AM	11:37 AM	11:56 AM	12:08 PM	12:17 PM	12:27 PM
11:09 AM	--	11:21 AM	--	11:29 AM	11:32 AM	11:41 AM	11:52 AM	12:11 PM	12:23 PM	12:32 PM	12:42 PM
11:24 AM	--	11:36 AM	--	11:44 AM	11:47 AM	11:56 AM	12:07 PM	12:26 PM	12:38 PM	12:47 PM	12:57 PM
11:39 AM	--	11:51 AM	--	11:59 AM	12:02 PM	12:11 PM	12:22 PM	12:41 PM	12:54 PM	1:04 PM	1:14 PM
11:55 AM	--	12:07 PM	--	12:15 PM	12:18 PM	12:27 PM	12:39 PM	12:58 PM	1:11 PM	1:21 PM	1:31 PM
12:10 PM	--	12:22 PM	--	12:30 PM	12:33 PM	12:42 PM	12:54 PM	1:13 PM	1:26 PM	1:36 PM	1:47 PM
12:25 PM	--	12:37 PM	--	12:45 PM	12:48 PM	12:57 PM	1:09 PM	1:28 PM	1:41 PM	1:51 PM	2:02 PM
12:40 PM	--	12:52 PM	--	1:00 PM	1:03 PM	1:12 PM	1:24 PM	1:43 PM	1:56 PM	2:06 PM	2:17 PM
12:55 PM	--	1:07	--	1:15 PM	1:18 PM	1:27 PM	1:39 PM	1:58 PM	2:11 PM	2:21 PM	2:32 PM

PM											
1:09 PM	--	1:21 PM	--	1:29 PM	1:32 PM	1:41 PM	1:53 PM	2:12 PM	2:25 PM	2:35 PM	2:46 PM
1:23 PM	--	1:35 PM	--	1:43 PM	1:46 PM	1:55 PM	2:07 PM	2:26 PM	2:39 PM	2:49 PM	3:00 PM
1:37 PM	--	1:48 PM	--	1:56 PM	1:59 PM	2:08 PM	2:21 PM	2:41 PM	2:55 PM	3:05 PM	3:16 PM
1:52 PM	--	2:03 PM	--	2:11 PM	2:14 PM	2:23 PM	2:36 PM	2:56 PM	3:10 PM	3:21 PM	3:32 PM
2:07 PM	--	2:18 PM	--	2:26 PM	2:29 PM	2:38 PM	2:51 PM	3:11 PM	3:25 PM	3:36 PM	3:47 PM
2:22 PM	--	2:33 PM	--	2:41 PM	2:44 PM	2:53 PM	3:06 PM	3:26 PM	3:40 PM	3:51 PM	4:02 PM
2:38 PM	--	2:49 PM	--	2:57 PM	3:00 PM	3:09 PM	3:22 PM	3:42 PM	3:56 PM	4:07 PM	4:18 PM
2:54 PM	--	3:05 PM	--	3:13 PM	3:16 PM	3:25 PM	3:38 PM	3:58 PM	4:12 PM	4:23 PM	4:34 PM
3:10 PM	--	3:21 PM	--	3:29 PM	3:32 PM	3:41 PM	3:54 PM	4:14 PM	4:28 PM	4:39 PM	4:50 PM
3:26 PM	--	3:37 PM	--	3:45 PM	3:48 PM	3:57 PM	4:10 PM	4:30 PM	4:44 PM	4:55 PM	5:06 PM
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4:23 PM	--	4:34 PM	--	4:42 PM	4:45 PM	4:54 PM	5:07 PM	5:27 PM	5:41 PM	5:52 PM	6:03 PM
4:38 PM	--	4:49 PM	--	4:57 PM	5:00 PM	5:09 PM	5:22 PM	5:42 PM	5:56 PM	6:07 PM	6:18 PM
4:53 PM	--	5:04 PM	--	5:12 PM	5:15 PM	5:24 PM	5:37 PM	5:57 PM	6:11 PM	6:22 PM	6:33 PM
5:09 PM	--	5:19 PM	--	5:27 PM	5:30 PM	5:39 PM	5:52 PM	6:11 PM	6:25 PM	6:36 PM	6:47 PM
5:25 PM	--	5:35 PM	--	5:43 PM	5:46 PM	5:55 PM	6:08 PM	6:26 PM	6:40 PM	6:50 PM	7:01 PM
5:41 PM	--	5:51 PM	--	5:59 PM	6:02 PM	6:11 PM	6:24 PM	6:42 PM	6:56 PM	7:06 PM	7:17 PM
5:56 PM	--	6:06 PM	--	6:14 PM	6:17 PM	6:26 PM	6:39 PM	6:57 PM	7:11 PM	7:21 PM	7:32 PM
6:12 PM	--	6:22 PM	--	6:30 PM	6:33 PM	6:42 PM	6:54 PM	7:12 PM	7:25 PM	7:35 PM	7:46 PM
6:27 PM	--	6:37 PM	--	6:45 PM	6:48 PM	6:57 PM	7:09 PM	7:27 PM	7:40 PM	7:50 PM	8:00 PM
6:42 PM	--	6:52 PM	--	7:00 PM	7:03 PM	7:12 PM	7:24 PM	7:41 PM	7:54 PM	8:04 PM	8:14 PM
6:57 PM	--	7:07 PM	--	7:15 PM	7:18 PM	7:26 PM	7:38 PM	7:55 PM	8:08 PM	8:18 PM	8:28 PM

Route 30, South, Weekdays
(FROM UTC Transit Center TO 9th Ave & "B" St)

UTC Transit Center	V.A. Medical Center	N. Torrey Pines & La Jolla Shores	Silverado St & Herschel Ave.	Mission Blvd & Felspar St.	Grand Ave & Ingraham St.	Old Town Transit Center West	Old Town Transit Center West	3rd Ave & Broadway	9th Ave & "B" St
--	--	--	4:57 AM	5:12 AM	5:16 AM	5:27 AM	5:27 AM	5:36 AM	5:40 AM
--	--	--	--	5:40 AM	5:45 AM	5:57 AM	5:57 AM	6:07 AM	6:11 AM
--	--	--	5:54 AM	6:10 AM	6:15 AM	6:27 AM	6:27 AM	6:37 AM	6:41 AM
5:46 AM	5:55 AM	6:01 AM	6:14 AM	6:30 AM	6:35 AM	6:47 AM	6:47 AM	6:57 AM	7:01 AM
--	--	--	--	6:43 AM	6:49 AM	7:02 AM	7:05 AM	7:15 AM	7:19 AM
6:11 AM	6:21 AM	6:28 AM	6:41 AM	6:58 AM	7:04 AM	7:17 AM	7:20 AM	7:30 AM	7:34 AM
6:26 AM	6:36 AM	6:43 AM	6:56 AM	7:13 AM	7:19 AM	7:32 AM	7:35 AM	7:45 AM	7:49 AM
6:41 AM	6:51 AM	6:58 AM	7:11 AM	7:28 AM	7:34 AM	7:47 AM	7:50 AM	8:00 AM	8:04 AM
6:55 AM	7:05 AM	7:12 AM	7:25 AM	7:42 AM	7:48 AM	8:02 AM	8:05 AM	8:16 AM	8:20 AM
7:09 AM	7:20 AM	7:27 AM	7:40 AM	7:57 AM	8:03 AM	8:17 AM	8:20 AM	8:31 AM	8:36 AM
7:23 AM	7:34 AM	7:41 AM	7:55 AM	8:12 AM	8:18 AM	8:32 AM	8:35 AM	8:46 AM	8:51 AM
7:37 AM	7:48 AM	7:56 AM	8:10 AM	8:27 AM	8:33 AM	8:47 AM	8:50 AM	9:01 AM	9:06 AM
7:52 AM	8:03 AM	8:11 AM	8:25 AM	8:42 AM	8:48 AM	9:02 AM	9:05 AM	9:16 AM	9:21 AM
8:08 AM	8:19 AM	8:27 AM	8:41 AM	8:58 AM	9:04 AM	9:18 AM	9:21 AM	9:32 AM	9:37 AM
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8:40 AM	8:51 AM	8:59 AM	9:13 AM	9:30 AM	9:36 AM	9:50 AM	9:53 AM	10:04 AM	10:09 AM
8:56 AM	9:07 AM	9:15 AM	9:29 AM	9:46 AM	9:52 AM	10:06 AM	10:09 AM	10:20 AM	10:25 AM
9:12 AM	9:23 AM	9:31 AM	9:45 AM	10:02 AM	10:08 AM	10:22 AM	10:25 AM	10:36 AM	10:41 AM
9:27 AM	9:38 AM	9:46 AM	10:00 AM	10:17 AM	10:23 AM	10:37 AM	10:40 AM	10:51 AM	10:56 AM
9:42 AM	9:53 AM	10:01 AM	10:15 AM	10:32 AM	10:38 AM	10:52 AM	10:55 AM	11:06 AM	11:11 AM
9:57 AM	10:08 AM	10:16 AM	10:30 AM	10:47 AM	10:53 AM	11:07 AM	11:10 AM	11:21 AM	11:26 AM
10:12 AM	10:23 AM	10:31 AM	10:45 AM	11:02 AM	11:08 AM	11:22 AM	11:25 AM	11:36 AM	11:41 AM
10:27 AM	10:38 AM	10:46 AM	11:00 AM	11:17 AM	11:23 AM	11:37 AM	11:40 AM	11:51 AM	11:56 AM
10:42 AM	10:53 AM	11:01 AM	11:15 AM	11:32 AM	11:38 AM	11:52 AM	11:55 AM	12:06 PM	12:11 PM
10:56 AM	11:07 AM	11:15 AM	11:29 AM	11:46 AM	11:52 AM	12:06 PM	12:09 PM	12:20 PM	12:25 PM
11:10 AM	11:21 AM	11:29 AM	11:43 AM	12:00 PM	12:06 PM	12:20 PM	12:23 PM	12:34 PM	12:39 PM
11:25 AM	11:36 AM	11:44 AM	11:58 AM	12:15 PM	12:21 PM	12:35 PM	12:38 PM	12:49 PM	12:54 PM
11:40 AM	11:51 AM	11:59 AM	12:13 PM	12:30 PM	12:36 PM	12:50 PM	12:53 PM	1:04 PM	1:09 PM
11:55 AM	12:06 PM	12:14 PM	12:28 PM	12:45 PM	12:51 PM	1:05 PM	1:08 PM	1:19 PM	1:24 PM
12:10 PM	12:21 PM	12:29 PM	12:43 PM	1:00 PM	1:06 PM	1:20 PM	1:23 PM	1:34 PM	1:39 PM
12:25 PM	12:36 PM	12:44 PM	12:58 PM	1:15 PM	1:21 PM	1:35 PM	1:38 PM	1:49 PM	1:54 PM
12:40 PM	12:51 PM	12:59 PM	1:13 PM	1:30 PM	1:36 PM	1:50 PM	1:53 PM	2:04 PM	2:09 PM
12:55 PM	1:05 PM	1:13 PM	1:27 PM	1:45 PM	1:51 PM	2:05 PM	2:08 PM	2:20 PM	2:25 PM
1:10 PM	1:20 PM	1:27 PM	1:41 PM	2:00 PM	2:06 PM	2:20 PM	2:23 PM	2:35 PM	2:40 PM
1:23 PM	1:33 PM	1:40 PM	1:54 PM	2:14 PM	2:20 PM	2:35 PM	2:38 PM	2:50 PM	2:55 PM
1:36 PM	1:46 PM	1:53 PM	2:07 PM	2:28 PM	2:35 PM	2:50 PM	2:53 PM	3:05 PM	3:10 PM
1:49 PM	1:59 PM	2:06 PM	2:21 PM	2:42 PM	2:49 PM	3:04 PM	3:07 PM	3:20 PM	3:25 PM
2:03 PM	2:13 PM	2:20 PM	2:35 PM	2:56 PM	3:03 PM	3:18 PM	3:21 PM	3:34 PM	3:39 PM
2:18 PM	2:28 PM	2:35 PM	2:50 PM	3:11 PM	3:18 PM	3:33 PM	3:36 PM	3:49 PM	3:54 PM

2:33 PM	2:43 PM	2:50 PM	3:05 PM	3:26 PM	3:33 PM	3:48 PM	3:51 PM	4:04 PM	4:09 PM
2:48 PM	2:58 PM	3:05 PM	3:20 PM	3:41 PM	3:48 PM	4:03 PM	4:06 PM	4:19 PM	4:24 PM
3:02 PM	3:13 PM	3:20 PM	3:35 PM	3:56 PM	4:03 PM	4:18 PM	4:21 PM	4:34 PM	4:39 PM
3:16 PM	3:27 PM	3:34 PM	3:50 PM	4:12 PM	4:19 PM	4:34 PM	4:37 PM	4:50 PM	4:55 PM
3:30 PM	3:41 PM	3:49 PM	4:05 PM	4:27 PM	4:34 PM	4:50 PM	4:53 PM	5:06 PM	5:11 PM
3:46 PM	3:57 PM	4:05 PM	4:21 PM	4:43 PM	4:50 PM	5:06 PM	5:09 PM	5:22 PM	5:27 PM
4:01 PM	4:12 PM	4:20 PM	4:36 PM	4:58 PM	5:05 PM	5:21 PM	5:24 PM	5:37 PM	5:42 PM
4:17 PM	4:28 PM	4:36 PM	4:52 PM	5:14 PM	5:21 PM	5:37 PM	5:40 PM	5:53 PM	5:58 PM
4:32 PM	4:43 PM	4:51 PM	5:07 PM	5:29 PM	5:36 PM	5:52 PM	5:55 PM	6:08 PM	6:13 PM
4:47 PM	4:58 PM	5:06 PM	5:22 PM	5:44 PM	5:51 PM	6:07 PM	6:10 PM	6:23 PM	6:28 PM
5:05 PM	5:16 PM	5:24 PM	5:40 PM	6:01 PM	6:07 PM	6:22 PM	6:25 PM	6:38 PM	6:43 PM
5:20 PM	5:31 PM	5:39 PM	5:55 PM	6:16 PM	6:22 PM	6:37 PM	6:40 PM	6:53 PM	6:58 PM
5:36 PM	5:47 PM	5:54 PM	6:10 PM	6:31 PM	6:37 PM	6:52 PM	6:55 PM	7:08 PM	7:12 PM
5:52 PM	6:03 PM	6:10 PM	6:25 PM	6:46 PM	6:52 PM	7:07 PM	7:10 PM	7:22 PM	7:26 PM
6:08 PM	6:18 PM	6:25 PM	6:40 PM	7:00 PM	7:06 PM	7:21 PM	--	--	--
6:22 PM	6:32 PM	6:39 PM	6:54 PM	7:14 PM	7:20 PM	7:35 PM	--	--	--
6:37 PM	6:47 PM	6:54 PM	7:09 PM	7:29 PM	7:35 PM	7:50 PM	--	--	--
6:54 PM	7:04 PM	7:11 PM	7:25 PM	7:45 PM	7:51 PM	8:05 PM	--	--	--

Appendix B: NCTD Service Schedules

101 Oceanside to UTC via Highway 101



Monday - Friday
Southbound to UTC

Oceanside Transit Center (1)	Carlsbad Village Station (2)	Encinitas Station (3)	Highway 101 & Lomas Santa Fe Dr. (4)	Camino Del Mar & 4th St. (5)	Torrey Pines & Scripps (6)	VA Medical Center (7)	UTC (8)
5:03	5:16	5:44	5:53	6:03	6:12	6:24	6:33a
5:33	5:46	6:14	6:23	6:33	6:42	6:54	7:03
6:03	6:16	6:44	6:53	7:03	7:14	7:26	7:35
6:33	6:46	7:14	7:23	7:33	7:45	8:00	8:09
7:03	7:16	7:47	7:58	8:08	8:18	8:33	8:42
7:33	7:47	8:18	8:29	8:41	8:51	9:06	9:15
8:03	8:17	8:48	8:59	9:11	9:21	9:36	9:45
8:33	8:47	9:14	9:25	9:37	9:48	10:05	10:14
9:03	9:17	9:44	9:55	10:07	10:18	10:35	10:44
9:33	9:47	10:14	10:25	10:37	10:47	11:04	11:13
10:03	10:17	10:44	10:55	11:07	11:17	11:34	11:44
10:33	10:47	11:14	11:25	11:37	11:47	12:03	12:13p
11:03	11:17	11:44	11:55	12:07	12:17	12:33	12:43
11:33	11:48	12:14	12:25	12:37	12:47	1:03	1:13
12:03	12:18	12:44	12:55	1:07	1:17	1:33	1:43
12:33	12:48	1:14	1:25	1:37	1:47	2:03	2:13
1:03	1:18	1:45	1:56	2:08	2:18	2:34	2:44
1:33	1:48	2:15	2:26	2:38	2:48	3:06	3:16
2:03	2:18	2:45	2:56	3:08	3:18	3:36	3:46
2:33	2:48	3:15	3:26	3:38	3:49	4:08	4:18
3:03	3:18	3:45	3:56	4:08	4:19	4:38	4:48
3:33	3:47	4:14	4:25	4:37	4:48	5:07	5:17
4:03	4:17	4:47	4:58	5:10	5:21	5:40	5:51
4:33	4:47	5:17	5:28	5:40	5:50	6:09	6:20
5:03	5:17	5:47	5:58	6:10	6:20	6:39	6:50
5:33	5:47	6:15	6:26	6:37	6:47	7:06	7:17
6:03	6:17	6:45	6:56	7:07	7:17	7:34	7:44
6:33	6:47	7:15	7:26	7:37	7:47	8:04	8:14
7:03	7:17	7:42	-	-	-	-	-
7:33	7:47	8:12	8:23	8:34	8:44	8:59	9:08
8:03	8:17	8:37	-	-	-	-	-
8:33	8:47	9:07	-	-	-	-	-
9:33	9:47	10:07	-	-	-	-	-

Monday - Friday
Northbound to Oceanside

UTC (8)	VA Medical Center (7)	Torrey Pines & Scripps (6)	Camino Del Mar & 4th St. (5)	Highway 101 & Lomas Santa Fe Dr. (4)	Encinitas Station (3)	Carlsbad Village Station (2)	Oceanside Transit Center (1)
-	-	-	-	-	5:49	6:13	6:22a
5:35	5:45	5:55	6:03	6:10	6:23	6:47	6:56
6:00	6:10	6:22	6:30	6:37	6:50	7:14	7:23
6:30	6:43	6:55	7:03	7:11	7:25	7:49	7:58
7:00	7:13	7:26	7:36	7:44	7:58	8:22	8:33
7:30	7:43	7:56	8:06	8:15	8:30	8:54	9:05
8:00	8:13	8:27	8:37	8:46	9:01	9:25	9:36
8:30	8:43	8:57	9:07	9:16	9:30	9:54	10:05
9:00	9:13	9:26	9:36	9:45	9:59	10:23	10:34
9:30	9:43	9:56	10:06	10:15	10:29	10:53	11:04
10:00	10:13	10:26	10:36	10:45	10:59	11:23	11:34
10:30	10:43	10:56	11:06	11:16	11:31	11:55	12:06p
11:00	11:12	11:26	11:36	11:46	12:01	12:25	12:37
11:30	11:42	11:56	12:06	12:17	12:32	12:58	1:10
12:00	12:10	12:24	12:34	12:45	1:00	1:26	1:38
12:30	12:40	12:54	1:04	1:15	1:30	1:58	2:10
1:00	1:10	1:24	1:36	1:47	2:02	2:30	2:42
1:30	1:42	1:56	2:08	2:19	2:35	3:03	3:15
2:00	2:12	2:26	2:36	2:47	3:03	3:31	3:43
2:30	2:42	2:56	3:06	3:18	3:34	4:02	4:14
3:00	3:12	3:26	3:36	3:48	4:04	4:32	4:45
3:30	3:42	3:56	4:06	4:18	4:34	5:03	5:16
4:00	4:12	4:27	4:38	4:50	5:06	5:35	5:48
4:30	4:43	4:58	5:09	5:23	5:39	6:08	6:21
5:00	5:13	5:28	5:38	5:52	6:08	6:37	6:49
5:30	5:43	5:58	6:08	6:20	6:38	7:07	7:19
6:00	6:11	6:24	6:33	6:45	7:03	7:32	7:43
6:30	6:41	6:54	7:03	7:13	7:28	7:57	8:08
7:00	7:11	7:24	7:33	7:43	7:58	8:27	8:38
7:30	7:41	7:54	8:03	8:13	8:26	8:55	9:06
8:00	8:11	8:23	8:32	8:42	8:55	9:24	9:33
8:35	8:46	8:58	9:07	9:17	9:30	9:53	10:02
9:35	9:46	9:57	10:06	10:16	10:29	10:52	11:01

BREEZE

UCSD students, staff and faculty may ride free on NCTD Route 101 by showing a valid UCSD ID with free bus zone sticker. This program is sponsored by UCSD's Transportation and Parking Services Department.

Los estudiantes, personal y maestros de UCSD podrán viajar gratis en los autobuses de NCTD de la ruta 101 al mostrar una identificación válida de UCSD, que tenga una calcomanía de zona de autobús gratis. Este programa está patrocinado por el Departamento de Servicios de Transporte y Estacionamientos de UCSD.

Transportation & Parking Services
University of California San Diego
parking.sdsu.edu
Moving in the right direction.

Route 101 connects with MTS Route 30 at La Jolla Shores and Torrey Pines Road, and other routes at University Towne Center, La Jolla.

La Ruta 101 conecta con la Ruta de MTS 30 en La Jolla Shores y Torrey Pines Road, y con otras rutas en University Towne Center en La Jolla.

Appendix C: UCSD Service Schedules

Coaster West Shuttle					
Sorrento Valley	Torrey Pines	Salk Institute Rd.	Muir College Dr.	Expedition Way	Villa La Jolla Dr.
5:49	5:55	5:55	5:57	6:00	6:02
6:39	6:45	6:45	6:47	6:50	6:52
7:17	7:25	7:25	7:27	7:30	7:32
7:49	7:57	7:57	7:59	8:02	8:04
8:20	8:25*	8:25*	8:27*	8:30*	8:32*
Combined East-West Coaster Shuttle					
—	9:30	9:30	9:32	9:35	—
9:56	10:02	10:02	10:04	10:07	—
10:20	10:26*	10:26*	10:28*	10:31*	—
—	11:02	11:02	11:04	11:07	—
11:36	11:41*	11:41*	11:43*	11:46*	—
—	12:40	12:40	12:42	12:45	—
1:10	1:16*	1:16*	1:18*	1:21*	—
—	2:06	2:06	2:08	2:11	—
2:42	2:46*	2:46*	2:48*	2:51*	—
Coaster West Shuttle					
Torrey Pines	Salk Institute Rd.	Muir College Dr.	Expedition Way	Villa La Jolla Dr.	Coaster train
3:35	3:35	3:37	3:40	3:42	4:05
4:20	4:20	4:22	4:25	4:27	4:51
4:50	4:51	4:52	4:55	4:58	5:18*
Combined East-West Coaster Shuttle					
5:20	5:20	5:22	5:25	—	5:55
6:10	6:10	6:13	6:17	—	6:44
6:55	6:55	6:57	7:00	—	7:26*
* Dropoff only					
Note: Times may vary due to traffic delays.					

SIO Shuttle Timetable	
SIO Vaughan Hall	
7:30 a.m. – 6:30 p.m.	6:30 p.m. – 9:15 p.m.
Every 15 minutes, on the quarter-hour	Every 30 minutes (:00, :30)
Last departure: 9 p.m.	
Peterson Hall	
7:15 a.m. – 6:15 p.m.	6:15 p.m. – 9 p.m.
Every 15 minutes, on the quarter-hour	Every 30 minutes (:15, :45)
Last departure: 8:45 p.m.	

The shuttle operates in a continuous, clockwise loop between points on campus and points in the Mesa Housing complex off Regents Road. The stops below are those that best coincide with JCVI's needs:

- Revelle Parking ([map](#))
- Gilman Drive and Mandeville Lane ([map](#))
- Gilman Drive and Myers Drive ([map](#))

Mesa Housing Shuttle Timetable	
7 to 9:30 a.m.	
Every 10 minutes	
9:30 a.m. to 3 p.m.	
Every 15 minutes	
3 to 6:30 p.m.	
Every 10 minutes	
6:30 p.m. to midnight	
Every 30 minutes	