



THE UNIVERSITY
of NORTH CAROLINA
at CHAPEL HILL

Transportation and Parking Systems 5-Year Plan

Monthly ACT Meeting
March 22, 2023

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FINAL REPORT

THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL
Transportation & Parking Five-Year Plan

PREPARED FOR:



THE UNIVERSITY
of NORTH CAROLINA
at CHAPEL HILL

PREPARED BY:

Kimley»Horn

MAY 2017

AGENDA

- System Education
- What is the 5-Year Plan?
- Looking Back and Ahead
- Other Plan Elements (Guiding Principles, Finances, etc.)
- Next Steps

Transportation and Parking System

Transportation and Parking is responsible for parking, transportation and event traffic on campus supporting the access needs for:

- 31,539 **Students (UNC Residents= 8,770 + 1,300 Granville)**
- 13,100 **University Faculty and Staff**
- 8,963 **UNC Health**
- 2 M + **Patients/Visitors -- UNC Health, Dental School, Athletics, Performing Arts, Misc.**



Managed Parking Supply: 23,341 Spaces

- 11,670 employee
- 3,415 students
- 3,293 Hourly & Visitors
- 4,963 Service, Reserved



T&P Financial Obligations

- Receipt-Supported System
- \$35M Annual Budget
 - \$12M Transit
 - \$23M Parking
- \$66.4M Debt \$7.4M annual payment



Pre-Covid Transit Services

- 7M Chapel Hill Transit Rides
- 216K UNC Point to Point rides
- 419K Regional Transit Rides

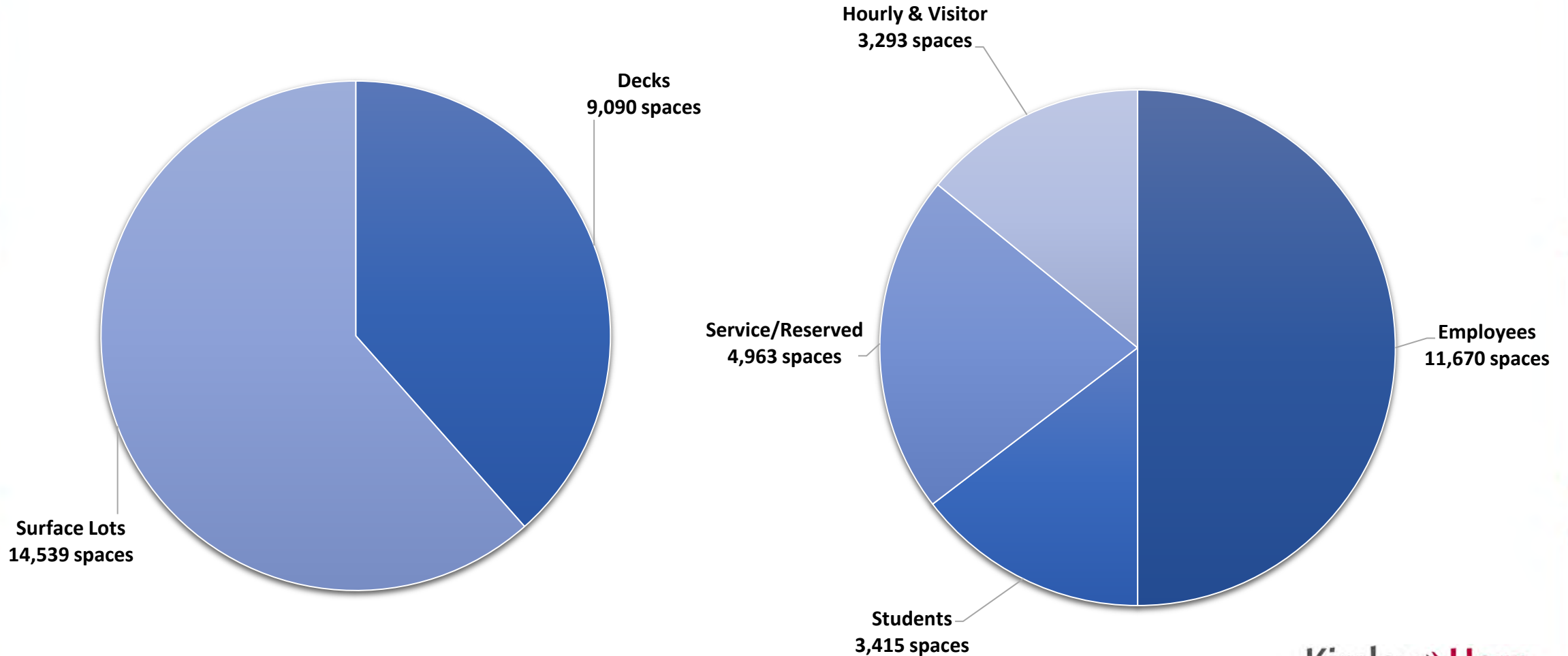


T&P Staffing

- 98 permanent FT Employees
- ~45 temporary employees
- ~150 contract employees

Parking Space Distribution

23,341 total spaces



Campus Planning

- The initial [Transportation Impact Analysis](#) for the 2001 UNC Development Plan was submitted to the Town in accordance with the requirements of the Town of Chapel Hill's Office/Institutional-4 (O1-4) Zoning District regulations.
- The TIA, and subsequent updates, provides an assessment of the transportation implications of the Development Plan and develop mitigation measures to address any impacts related to automobile traffic, transit, parking, bicycle and pedestrian traffic, and associated air quality issues.
- To meet projected growth, the Development Plan allows only 1,550 net new parking spaces with all other growth met through alternative modes of commuting that include:
 - Transit (local and regional)
 - Parking and Ride
 - Bike and Walk

Parking Summary

Parking Permit Statistics: Faculty, Staff, and Students			
Group	Population	# of Permits	Percent of Population w/ Permits
Total Employee	23,623	15,098	64%
Faculty and Staff (UNC)	13,100	9,280	71 %
Faculty and Staff (UNC Health)	8,963	5,371	60 %
Contract Staff	560	277	49%
Post Doctoral Fellow	1,000	170	17%
Students	31,539	4,170	13 %
Graduate and Professional	11,796	2,237	19 %
Undergraduate (no Freshman)	19,743	1,933	10 %
Off-Campus Resident	-	1,158	
Hardship Allocation	-	378	
Commuters	-	1,967	
Residents	-	1,045	
Total Faculty/Staff and Student	55,162	19,268	35 %

Point-to-Point

Point-to-Point (P2P) is a University-operated service providing:

- On-demand services include ADA, After-Dark, Emergency Ride Back, Campus Health for students and employees
- Fixed-Route services include P2P express routes circulating from UNC residential housing locations and Franklin Street (7pm-4am)
- P2P Ridership
 - On-Demand Services 22,567 Annual rides
 - Fixed-Route P2P Express 99,581 Annual rides

Point to Point is fare-free at boarding and funded through student and department fees.

P2P Annual Cost

Fixed Route and On-Demand Services	\$1,829,811
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Chapel Hill Transit

[Chapel Hill Transit \(CHT\)](#) provides local fare free at boarding transit service between UNC, Chapel Hill, and Carrboro.

- CHT operates 17 routes that serve the Town of Chapel Hill and Carrboro and UNC and 8 routes that are dedicated service for UNC students and employees.
- UNC is a partner in the system with the Town and is responsible for 39.51% of shared route service 100% of the cost associated with UNC fully allocated routes.

CHT services are funded by department fees, student fees, and a nominal state contribution. The annual ridership in the system in 2019 was 7M. Students typically represent approximately (61%) of total ridership or 4,270,000 annual rides.

2022 CHT Contract Amount

17 Shared Routes (39.5%)	\$ 5,410,196
8 UNC Routes (100%)	<u>\$ 4,636,324</u>
	\$10,046,520

Triangle Transit

[Triangle Transit](#) provides regional transit service between Chapel Hill, Durham, Raleigh and other parts of the Triangle.

- UNC is served by 5 regular routes and 2 express routes. Triangle Transit provides [free Park & Ride lots](#) where riders can park near a bus stop.
- Employees and students living outside of the Chapel Hill Transit [service area](#) may obtain a free [GoPass](#) to commute UNC.

Triangle Transit services are funded by department fees, student fees, and parking revenues. Annual Go Pass ridership is 275,083 annual rides (COVID – no ridership March – June).

2020 Triangle Transit Contract (No fees for fares charged since FY 2020)

- FY 2020 Contract Cost (ridership dropped drastically in March 2020):
- 5 Regular Routes/2 Express \$482,534

Transportation Demand Management

UNC continues to be a regional and national leader in Transportation Demand Management and commuter alternatives to the single occupancy vehicle commute.

- Awarded “Grade A” for UNC Transportation initiatives on the College Sustainability Report Card!
- UNC continues to hold the [Best Workplace for Commuter’s Designation](#)!
- Awarded regional “Super Achiever Award” in the category for large public agency by regional TDM entities!
- TDM Services:
 - Commuter Alternatives Program
 - Rideshare (Carpool, Vanpool, Zipcar)
 - Bike Amenities
 - Tar Heel Bikes (Future deployment)

Five-Year Plan Look Back

Fee Changes to Support System

	FY17/18	FY18/19	FY19/20	FY20/21	FY21/22
Annual Daytime Permit Increases ^{1,2} 1% = \$0.12 to \$0.88 / bi-weekly period	+1%	+1%	+1%	-	-
Department Transportation Fee Increases ³	-	-	-	-	-
Student Transportation Fee Increases - Local/Regional component	+\$5.44/yr (3.5%)	+\$5.64/yr (3.5%)	-	-	-
- Night Parking component (Overall rate)	-	-	+\$6 (\$6)	+\$2 (\$8)	+\$2 (\$10)
Night Parking – Employee Permit	-	-	\$234-402/yr	\$234-402/yr	\$234-402/yr
Night Parking – Visitor Parking ⁴	-	-	Y	Y	Y
North Campus & Meters Hourly Rate Increases ⁵ (Overall rate)	+\$0.25/hr (\$1.75/hr)	- (\$1.75/hr)	- (\$1.75/hr)	- (\$1.75/hr)	- (\$1.75/hr)

Finance and Budget

UNC maintains a receipt-supported parking and transportation operation pursuant to North Carolina General Statute – GS 116.1.6.

UNC adopts an Ordinance Regulating Parking and Transportation annually and this is the regulatory document that establishes regulations and fees for the parking system.

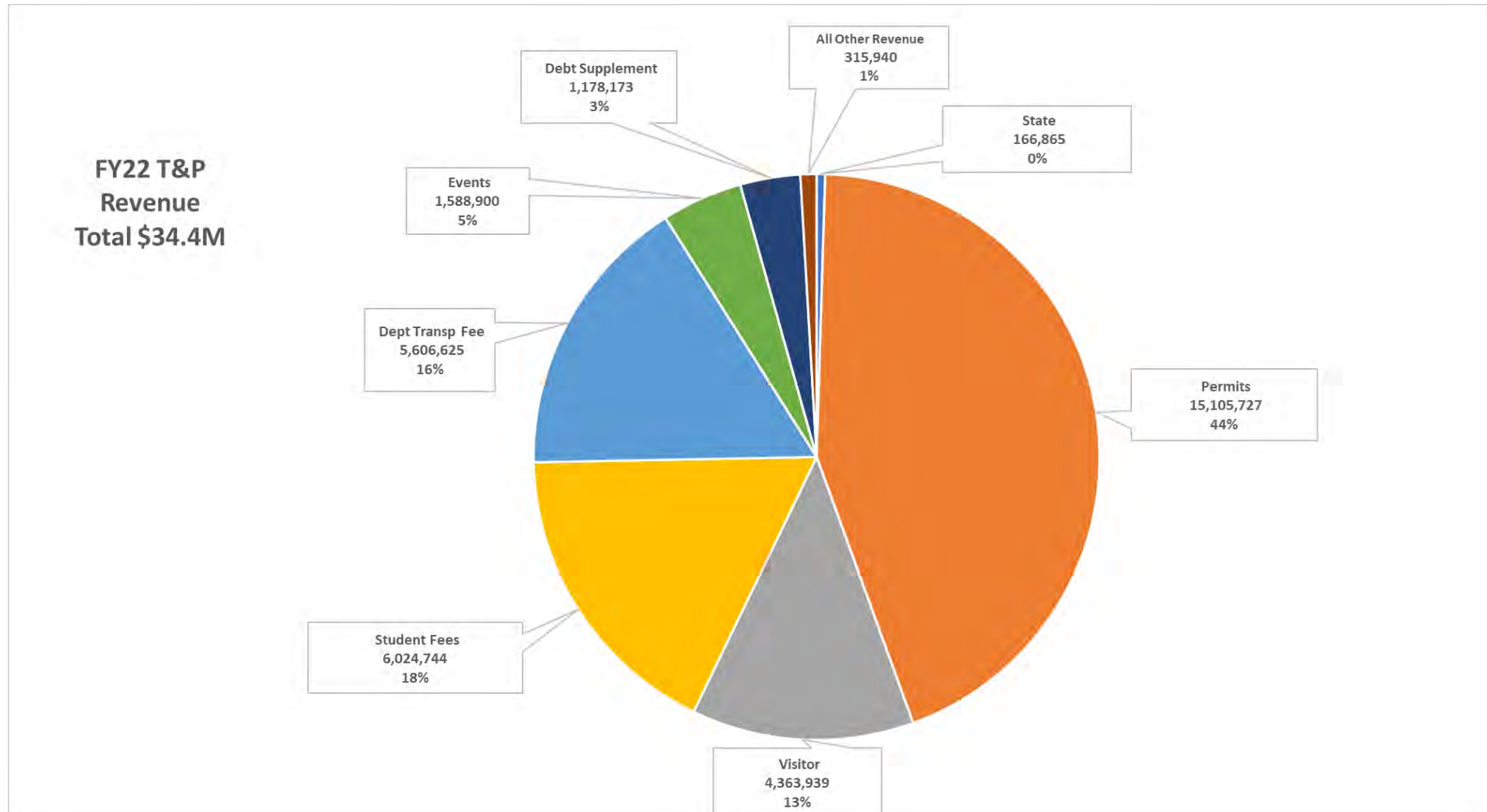
UNC's Board of Trustees have final authority on changes to the Ordinance.

Fine revenues, excluding a 20% allowance for operating cost, are transferred to the state for K-12 funding.

The 5-Year Plan provides a projection of revenues and expenses to develop funding strategies in order to support the system.

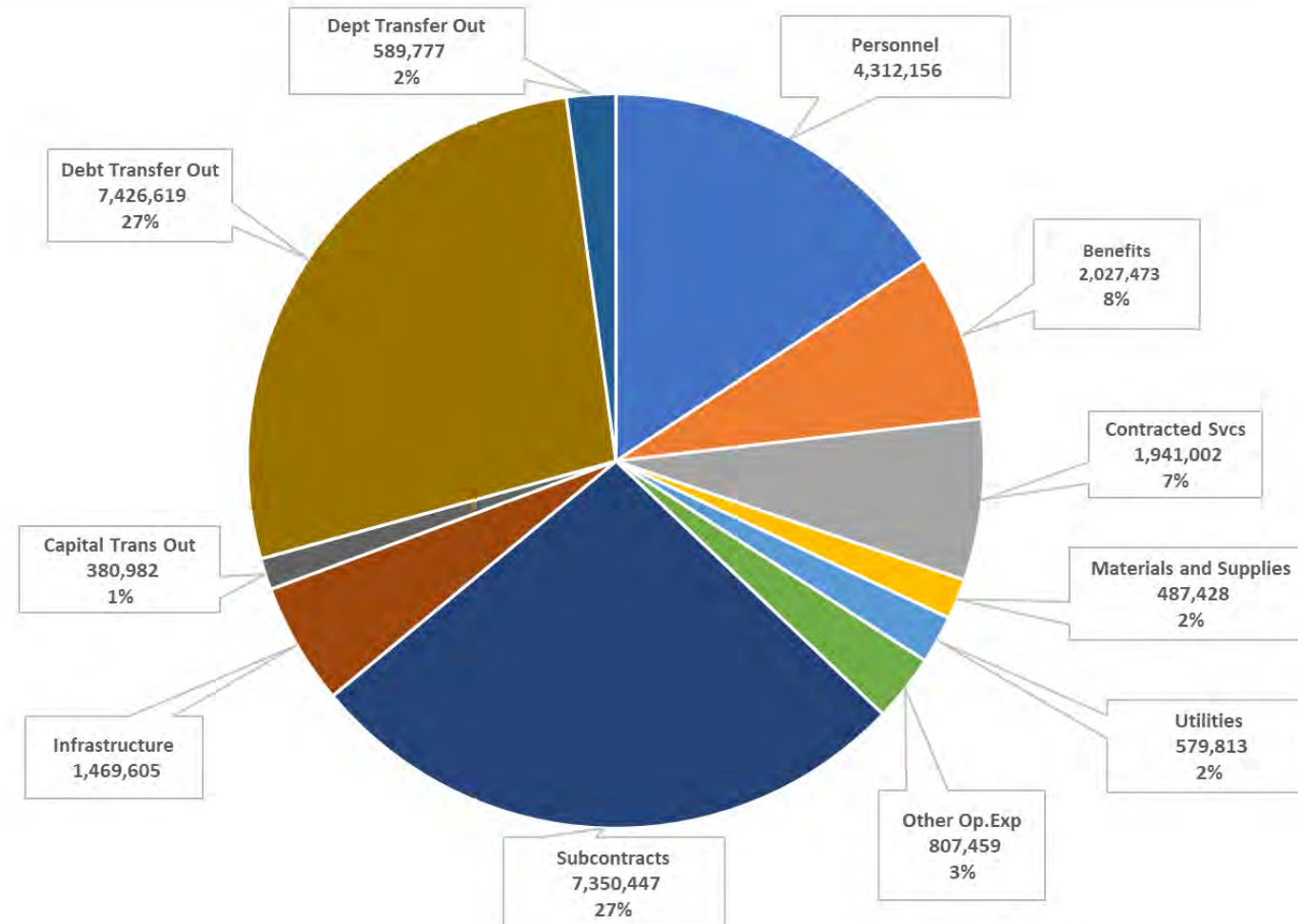
Transportation and Parking 5-Year Revenue and Expense Plan Comparison to Actuals					
	2018	2019	2020	2021	2022
Revenues - Actual					
State Appropriations	206,775	196,617	176,852	586,623	166,865
Investment Income	574,727	975,276	735,971	32,704	85,229
Permits	14,613,971	15,251,168	13,077,451	11,202,495	15,105,727
Visitor	5,664,036	5,639,498	4,379,415	2,756,257	4,363,939
Student Fees	5,579,441	5,725,962	5,473,281	5,852,656	6,024,744
Dept Transp Fee	5,448,641	6,848,169	5,711,097	5,419,300	5,606,625
Events	785,279	1,129,208	1,207,492	194,635	1,588,900
Debt Supplement	917,316	916,576	916,659	636,708	1,178,173
Transfer In	-	-	54	129,374	300
All Other Revenue	201,367	536,339	362,474	229,608	230,411
Actual Revenue	33,991,553	37,218,813	32,040,746	27,040,360	34,350,913
5-Year Plan	31,708,313	32,074,975	33,781,827	33,996,487	34,665,961
Variance	2,283,240	5,143,838	(1,741,081)	(6,956,127)	(315,048)
Expenses	2018	2019	2020	2021	2022
Personnel	5,357,055	4,910,207	4,746,893	4,069,316	4,312,156
Benefits	2,080,199	2,037,609	1,988,603	1,907,029	2,027,473
Transit Fees, Core Data	46,904	42,621	42,209	35,130	37,308
Contracted Services	1,870,909	2,434,751	2,927,615	1,690,276	1,941,002
Materials and Supplies	346,288	578,066	505,378	471,638	487,428
Travel Expenses	7,114	11,423	6,746	4,017	6,460
Utilities	646,938	626,711	617,826	558,311	579,813
Operating Expenses	1,208,470	1,053,398	915,731	492,013	763,691
Subcontracts	7,954,831	9,264,337	8,662,740	9,331,568	7,350,447
Infrastructure and Other	1,802,576	2,635,808	2,017,805	1,357,761	1,469,605
Intra Dept Capital Trans Out	45,678	840,541	2,263,344	3,164,447	380,982
Intra Dept Debt Transfer Out	11,772,273	7,515,973	7,488,628	13,295,021	7,426,619
Intra Dept Transfers Out	588,652	1,835,867	589,831	2,716,575	589,777
Actual Expenses	33,727,887	33,787,312	32,773,349	39,093,102	27,372,761
5-Year Plan	32,727,386	33,606,621	34,406,220	33,562,583	34,948,424
Variance	(1,000,501)	(180,691)	1,632,871	(5,530,519)	7,575,663
Actual Net Revenue	263,666	3,431,501	(732,603)	(12,052,742)	6,978,152
5-Year Plan Net Revenue	(1,019,073)	(1,531,646)	(624,393)	433,904	(282,463)
					(3,023,671)

Finance and Budget – FY 22 Actuals



Finance and Budget – FY 22 Actuals

**FY22 T&P
Expense
Total \$27.4M**



Five-Year Plan

Every five years Transportation and Parking partners with campus representatives on the ACT, Executive Sponsors Group, and a consultant team to develop **a new plan that:**

- *Engages with the University community* through outreach efforts
- *Evaluates* existing operations and technology and *identify efficiencies* and opportunities
- Develops strategies to *address University and UNC Healthcare development* and programmatic growth
- Ensures that necessary revenue is in place to *support the existing and near-term transportation system costs*



Five-Year Plan Look Back

Previous Plan Engagement Themes:

- Bicycle infrastructure and amenities
- Pedestrian safety
- Roadway usage and prioritization
- Management of moped and scooter use
- Understanding “customer” data to maximize existing resources
- Investment in enhanced technology
- Impact of the distributed services model
- Potential for implementation of weeknight parking
- Integration with private parking providers
- Improved transit options and communication about options

Five-Year Plan Look Back

Programmatic System Changes:

- ☒ Parking Access Revenue Control System (PARCS)
- ☒ Weeknight Parking
- ☒ Variable Message Signs
- ☒ Bike Share
- ☒ LED Lights
- ☒ P2P – TransLoc
- ☒ Campus Bird
- ☒ Increased the lowest salary range from \$29k to \$32k for increased cost of living salary changes

Five-Year Plan Look Back

Capital Growth:

Additional parking 800 spaces planned

- 180 Business School Deck (under construction)
- 100 Rosemary Deck (under construction)
- 6% annual growth in transit support (COVID impacts)

Five-Year Plan Look Ahead

Key Plan Drivers

- Meet University and UNC Health Transportation Needs
- Equity and Resource Management
 - Allocation Policy
 - Pricing Structure
 - Salary Scale
 - Gated vs Non-Gated
 - Work from home
- E-Bikes, Micro-mobility, Autonomous Vehicles
- Electric Fleet



The 5-Year Plan Process Timeline



Guiding Principles

- Guiding Principle 1: Provide adequate and safe access for all who need to come to campus.
- Guiding Principle 2: Encourage sustainable multimodal transportation options for all users of the system.
- Guiding Principle 3: Support the Campus Master Plan by coordinating transportation and parking needs with the land use, open space, and programmatic objectives of the physical master plan.
- Guiding Principle 4: Transportation and parking operations will remain solely self-funded and receipt supported.

Guiding Principles – Supporting Practices

- Maintain adequate on-campus parking for visitors and patients.
- Maintain commitment to partnership with the Towns of Chapel Hill and Carrboro in the operation of the Chapel Hill Transit fare-free system.
- Maintain commitment to promote use of Triangle Transit and other regional transit options for access to the main campus.
- Reduce the current parking subsidy for transit services over the 5-year study period.
- Develop a more equitable balance of the cost of the Transportation and Parking System to all users of the System.

Plan Outreach & Engagement

Principles of Engagement:

- Create an environment where stakeholders are being heard
- Empower stakeholders to share feedback openly and honestly
- Acknowledge that stakeholder groups interact with the system in very different ways
- Gather feedback from various stakeholders that represent the different users of the system

Plan Outreach & Engagement

- **Goal: Inform, Educate, and Listen**
 - Key Staff / Consultant Actions:
 - Project Website
 - Campus Survey
 - Launch week of 3/28
 - Begin Targeted stakeholder meetings
 - April 19th-21st



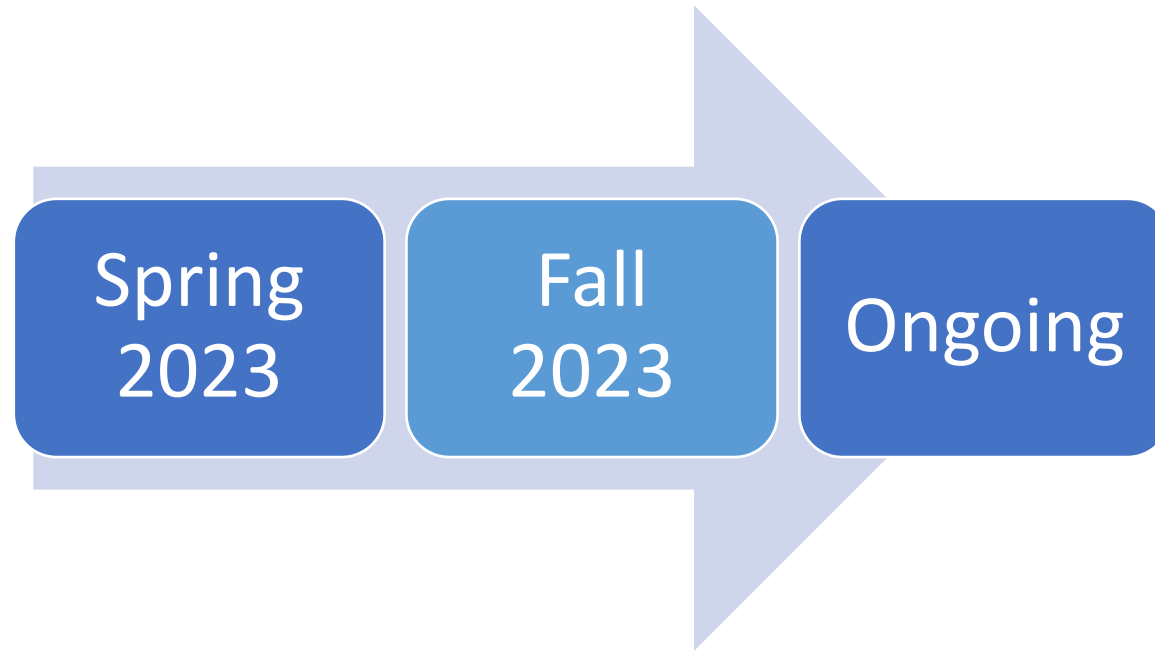
Spring
2023

Fall
2023

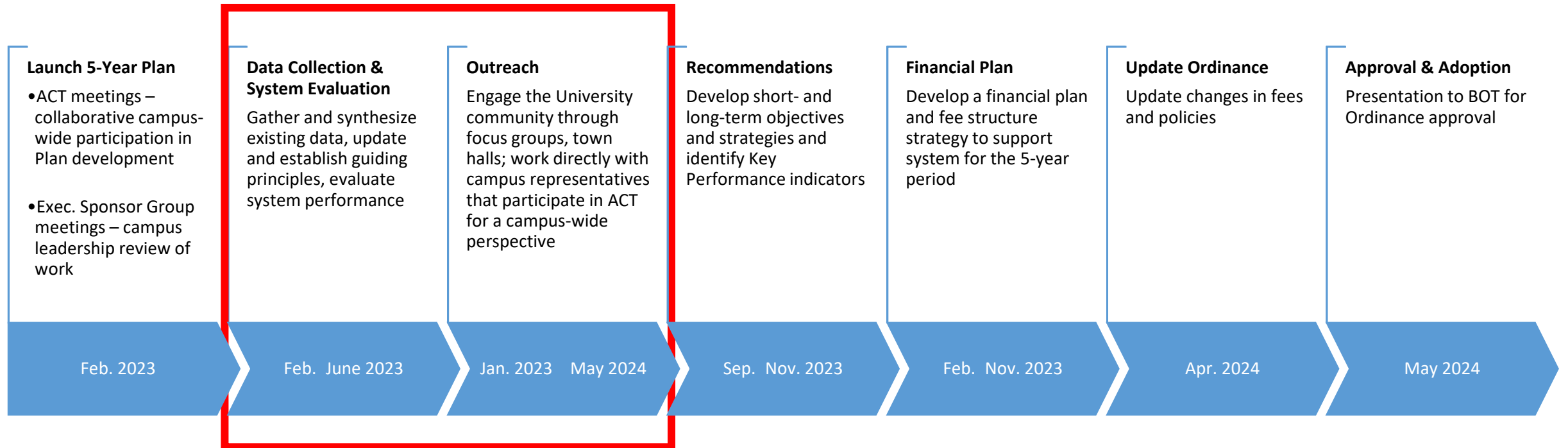
Ongoing

Plan Outreach & Engagement

- **Goal: Inform, Listen, and “Close the Loop”**
 - Key Staff / Consultant Actions:
 - Pop ups/Open House
 - Regroup with targeted stakeholders



The 5-Year Plan Process Timeline



Next Steps

- Launch Campus Survey – Launch end of March/Beginning of April
- Focus Groups Meetings – April 19th-21st
- Next ACT Meeting: April 19th (Guiding Principles)