



PUBLIC MEETING AGENDA

Transportation Commission

MEETING DATE

Tuesday, January 14, 2020
7:30 a.m.

MEETING LOCATION

Tempe Transportation Center
Don Cassano Community Room
200. E. Fifth Street, 2nd floor
Tempe, Arizona

AGENDA ITEM	PRESENTER	ACTION or INFORMATION
1. Public Appearances The Transportation Commission welcomes public comment for items listed on this agenda. There is a three-minute time limit per citizen.	Brian Fellows, Commission Chair	Information
2. Approval of Meeting Minutes The Commission will be asked to review and approve meeting minutes from the November 12, 2019 meeting.	Brian Fellows, Commission Chair	Action
3. Commission Business The Commission will be asked to elect a chair and vice chair for 2020 as well as reach consensus on meeting date and time. New commissioners will be introduced.	Brian Fellows, Commission Chair	Action
4. Duties of the Transportation Commission Staff will provide information on the process for amending the City Code as it relates to the Transportation Commission.	Shelly Seyler, Engineering & Transportation Department	Information and Possible Action
5. Development Bonus Program Staff will update the Commission on the draft Development Bonus Program as part of the City's Urban Core Master Plan process. The development bonus would provide the opportunity to add housing units or commercial office space in exchange for providing certain community benefits.	Ambika Adhikari, Community Development Department	Information and Possible Action
6. Bike Bait Program Update Tempe PD will provide an update on the status of Tempe's Bike Bait Program including any relevant statistics.	Damon DeSpain, Tempe Police Department	Information
7. Transit Shelter Design Project Update Staff will present three potential design concepts for the new transit shelters.	Eric Iwersen and Bonnie Richardson, Engineering & Transportation Department	Information and Possible Action

8. Department & Regional Transportation Updates Staff will provide updates and current issues being discussed at regional transportation and transit agencies.	Engineering & Transportation Department Staff	Information
9. Future Agenda Items Commission may request future agenda items .	Commission Chair	Information and Possible Action

According to the Arizona Open Meeting Law, the Transportation Commission may only discuss matters listed on the agenda. The city of Tempe endeavors to make all public meetings accessible to persons with disabilities. With 48 hours advance notice, special assistance is available at public meetings for sight and/or hearing-impaired persons. Please call 350-4311 (voice) or for Relay Users: 711 to request an accommodation to participate in a public meeting.



Minutes City of Tempe Meeting of the Transportation Commission November 12, 2019

Minutes of the meeting of Tempe Transportation Commission held on Tuesday, November 12, 2019, 7:30 a.m. in the Tempe Transportation Center, Don Cassano Community Room located at 200 E. Fifth Street, Tempe, Arizona.

(MEMBERS) Present:

Susan Conklu (via phone)
JC Porter
Paul Hubbell
David A. King (via phone)
Ryan Guzy
John Kissinger
Shana Ellis
Pam Goronkin

John Federico
Peter Schelstraete
Brian Fellows
Cyndi Streid (via phone)
Jeremy Browning
Lloyd Thomas (via phone)

(MEMBERS) Absent: None

City Staff Present:

Shelly Seyler, Deputy Engineering & Transportation Director
Robert Yabes, Principal Planner
Chase Walman, Planner II
Joe Clements, Transportation Financial Analyst
Eric Iwersen, Transit Manager
Tony Belleau, Streetcar Project Manager
Barrett Jurgemeyer, Senior Civil Engineer

Sue Taaffe, Senior Management Assistant
TaiAnna Yee, Public Information Officer
Laura Kajfez, Neighborhood Services Specialist
Amanda Nelson, Public Information Officer
Sam Stevenson, Senior Planner
Bonnie Richardson, Principal Planner
Dan Miller, Senior Curator

Guests Present:

David Sokalowski
Jason Simmers

Cliff Anderson

Commission Chair Brian Fellows called the meeting to order at 7:31 a.m.

Agenda Item 1 – Public Appearances

Cliff Anderson spoke about the Orbit Vehicle and the Bicycle Plan for Achieving Platinum Level Bike Friendly Community agenda items. In general, Mr. Anderson expressed his desire for the city to consider purchasing electric buses and the importance of enforcement of the laws as they apply to vehicular traffic.

Agenda Item 2 – Minutes

Brian Fellows introduced the minutes of October 15, 2019 meeting of the Transportation Commission and asked for a motion for approval.

Motion: Commissioner Peter Schelstraete

Second: Commissioner John Kissinger

Commission Conklu requested one change to the minutes under Agenda Item 8 – Department & Regional Transportation Updates. The sentence should read: Susan Conklu announced that the City of Scottsdale is hiring a safe routes to school coordinator position.

Decision: Approved by Commissioners:

Susan Conklu (via phone)

JC Porter

Paul Hubbell

David A. King (via phone)

Ryan Guzy

John Kissinger

Shana Ellis

Pam Goronkin

John Federico

Peter Schelstraete

Brian Fellows

Cyndi Streid (via phone)

Jeremy Browning

Lloyd Thomas (via phone)

Agenda Item 3 – Commission Business

Brian Fellows acknowledged outgoing Commissioners Shana Ellis and Cyndi Streid and thanked them for their service.

Agenda Item 4 – Annual Report

Shelly Seyler presented the draft 2019 Transportation Commission Annual Report. Brian Fellows asked for a motion for approval of the 2019 Transportation Commission Annual Report. Discussion included adding a future agenda item to discuss amending the language in the City's ordinance describing the commissions powers and duties to include accessibility and micromobility.

Motion: Commissioner Pam Goronkin

Second: Commissioner Ryan Guzy

Decision: Approved by Commissioners:

Susan Conklu (via phone)

JC Porter

Paul Hubbell

David A. King (via phone)

Ryan Guzy

John Kissinger

Shana Ellis

Pam Goronkin

John Federico

Peter Schelstraete

Brian Fellows

Cyndi Streid (via phone)

Jeremy Browning

Lloyd Thomas (via phone)

Agenda Item 5 – Orbit Vehicle

Eric Iwersen and Sam Stevenson presented information on the Orbit system and the process for procuring new fleet.

Topics included:

- Background
- Ridership
- Cost and budget
- Fleet
- Vehicle testing
- Community outreach
- Request for proposals

- Timeline

Discussion included public participation and neighborhood involvement.

Agenda Item 6 – Streetcar History Panels

Tony Belleau and Dan Miller presented the draft Tempe Streetcar History panels. Topics included:

- Project overview
- Project status
- History panel goals
- History panel examples

Agenda Item 7 – Bicycle Plan for Achieving Platinum Level Bike Friendly Community

Chase Walman presented the list of projects and actions which staff plan to implement prior to the next Bicycle Friendly Community application process in 2022/23. Topics included:

- Essential elements of becoming a Bicycle Friendly Community
- Award decision determination
- League of American Bicyclist recommendations for achieving Platinum status
- Next steps

Discussion included driver education, state laws, Vision zero process, safe routes to school tools, traffic enforcement tools (speed and red-light cameras), vertical barriers for bike lanes, HAWK beacons, BikeIT, ordinances, traffic signals and equity.

Agenda Item 8 – Department & Regional Transportation Updates

Susan Conklu announced a bike ride from the Transportation Center to Mesa on Nov. 14 at 5 p.m. Tony Belleau reminded the Commission of the ongoing Friends of Transit lunch promotion.

Agenda Item 9 - Future Agenda Items

Commissioners requested that the following items be added to a future agenda:

- Red Light Cameras/Speed Enforcement
- Modifying the powers and duties of the Transportation Commission within the Tempe City Code
- Ash and University Intersection
- Planned or potential vertical barriers for bike lanes
- Micromobility Ordinance/ADA (including the attendance of someone from the City Attorney's Office)
- Plan for Achieving Platinum Level Bike Friendly Community

The following future agenda items have been previously identified by the Commission or staff:

- December 10
- January 14
 - Commission Business
 - Transit Shelter Design
 - Speed Limits
 - Tempe/Mesa Streetcar Extension Feasibility Study
 - I-10 Spine Study/Alameda/Baseline Ped Bridge Art
- February 11
 - Bike Bait Program
 - Transit Shelter Design
 - Orbit Vehicles

- ASU's ADA Program
- March 10
 - Orbit Earth
 - Country Club Way Streetscape Project
 - Scottsdale Road Bike Lane Project
- April 14
 - Paid Media Plan
- May 12
 - Bike Hero
 - Capital Improvements Project Update
 - MAG Design Assistance Grants
 - Transit System and Security Update
- June 9
- July 14
- August 11
- September 8
- TBD: Micromobility Update
- TBD: North/South Rail Spur MUP
- TBD: Prop 400E

The December meeting has been cancelled. The next meeting is scheduled for January 14, 2020.

The meeting was adjourned at 8:56 a.m.

Prepared by: Sue Taaffe

Reviewed by: Shelly Seyler

MEMORANDUM

TO: Tempe Transportation Commission
FROM: Shelly Seyler, Deputy Engineering & Transportation Director, 350-8854
DATE: January 14, 2020
SUBJECT: Commission Business
ITEM #: 3 & 4



PURPOSE:

To request that the Transportation Commission makes selections for the positions of chair and vice-chair as well as reach consensus on meeting date and time.

RECOMMENDATION OR DIRECTION REQUESTED:

This item is for action.

CITY COUNCIL STRATEGIC PRIORITY:

- N/a

BACKGROUND

At the January meeting of each year, the Commission addresses the following business:

- Chair and Vice-Chair. The Commission annually elects a Chair and Vice-Chair for the upcoming year per the Tempe City Code, Sec. 2-249 "The officers of the commission shall be selected by the commission members at the first meeting of the commission following the 31st day of December of each year and shall serve until the 31st day of December of the next succeeding year. No officer shall serve in the same capacity for more than two (2) consecutive one-year terms.
- Meeting Dates and Times. The Commission regularly scheduled meetings are the 2nd Tuesday of each month at 7:30 a.m.

As of January 7, 2020, the Commission has 14-member positions filled. Transportation Commission members are listed below.

1. Brian Fellows (Current Chair elected in Jan. 2019)
2. Ryan Guzy (Current Vice Chair elected in Jan. 2019)
3. Jeremy Browning
4. Susan Conklu
5. Lloyd Thomas
6. Paul Hubbell
7. David King
8. John Kissinger
9. Pam Goronkin
10. JC Porter
11. John Federico
12. Peter Schelstraete
13. Christina Pucci
14. John Christoph

According to Chapter 2, Article V, Division 8, Section 2 181 through 183 of the Tempe City Code, all boards and commissions established by the City shall have the following powers and duties unless otherwise specified:

Sec. 2-181. - Powers and duties.

(a) All boards and commissions established by the City shall have the following powers and duties unless otherwise specified:

- (1) To act in an advisory capacity to the City Council for the purpose of making recommendations consistent with its duties;
- (2) To establish such rules and regulations as it deems necessary for its government and for the faithful performance of its duties; to set a time for regular meetings which shall be held at least once a month if there is business to transact; to establish the manner in which special meetings may be held and the notice to be given thereof; and to provide that a majority of the total number of members shall constitute a quorum. The affirmative vote of a majority of the members participating in the meeting shall be required for passage of any matter before the board;
- (3) To organize by electing one (1) of its members as Chairman of the Board and one (1) as Vice-Chairman. The city staff representative assigned to the board or commission shall act as Secretary but shall not be entitled to take part in any voting;
- (4) To require attendance of the members at regular meetings and provide that absence from three (3) consecutive regular meetings or six (6) meetings within any twelve (12) month time period without consent from the Chairman or Vice-Chairman if the Chairman is unavailable, shall be deemed to constitute a resignation and such position shall thereupon be deemed vacant;
- (5) To consult, through the Chairman of the Board, or the Vice-Chairman if the Chairman is unavailable, with the assigned city department on the items to be included on the agenda of the meetings prior to preparation and distribution of the agenda by the assigned city department; and
- (6) To review and approve the official minutes of the board or commission as prepared by the assigned city department no later than thirty (30) days after the meeting or Commission and if such minutes cannot be approved, for any reason, within such period of time, such minutes shall be transferred to the City Council without approval.

(b) All boards and commissions shall have the authority to create subcommittees, subject to the following restrictions:

- (1) Subcommittees shall be created upon written notice to the City Council. The request shall state in detail the purpose for its creation, the members of the board or commission who will comprise its membership and the anticipated additional resources needed to adequately staff the subcommittee;
- (2) All subcommittees shall sunset within one (1) year of creation, or until its intended purpose has been met. The City Council may dissolve a subcommittee at any time;
- (3) All members of subcommittees must be current members of originating board or commission;
- (4) No board or commission may have more than two (2) active subcommittees at the same time; and
- (5) Subcommittees must meet all requirements of state law, the City Charter and this Code.

Sec. 2-182. - Terms and removal.

(a) The Mayor, with the approval of the City Council, shall select for appointment and reappointment the members of each board and commission. Unless otherwise specified, the members of each board and commission shall be selected from residents of the City.

- (b) The term of office for each member of the board and commission shall be from the first of January of each year and end on the 31st day of December, three (3) years thereafter except if otherwise provided in this article.
- (c) Members of the board and commission may not serve more than three (3) total terms on any board or commission, and not more than two (2) complete consecutive terms.
- (d) Any vacancy shall be filled for the unexpired term of the member whose office is vacant in the same manner as such member received original appointment.
- (e) The Mayor, with the approval of the City Council, may for cause remove any member of the board or commission.

Sec. 2-183. - Compensation of members.

Members shall receive no compensation for their service.

According to Chapter 2, Article V, Division 8, Section 2-250 of the Tempe City Code, the Transportation Commission shall have the following powers and duties:

Sec. 2-250. - Powers and duties.

- (1) To suggest to the Mayor and City Council qualified and interested persons eligible for appointment for commission vacancies;
- (2) To consult, through the chairman of the commission, with the Engineering and Transportation Department, as to the items to be included on the agenda of meetings of the commission prior to the preparation and distribution of the agenda by the Engineering and Transportation Department;
- (3) To prepare and submit an annual report to the City Manager and City Council including applicable Council committees;
- (4) To advise and make recommendations to the City Council and to assist city departments and the City Manager to plan and implement a balanced transportation system within Tempe which incorporates all forms of transportation in a unified, interconnected manner and complements land use, making a positive environmental impact through reduction of energy consumption, air pollution and congestion, while promoting economic development and providing mobility for all persons, including elderly and disabled;
- (5) To advise and make recommendations to the City Council and to assist city departments and the City Manager on appropriate performance standards and benchmarks for use in evaluating the city's transportation system and program, based on nationally recognized guidelines and local priorities;
- (6) To advise and make recommendations to the City Council and to assist city departments and the City Manager on transportation plans, projects and ordinances, including but not limited to:
 - a. To recommend and review short and long-range plans and studies for the city's transportation system, including streets, transit, bicycling, pedestrians and demand management;
 - b. To periodically review and update the transportation elements of the city's general plan;
 - c. To provide input and review regional, state and federal transportation plans, projects and issues especially as provided by federal law; and
 - d. To promote and maintain bicycling as a safe and effective mode of travel for recreation, health and transportation.
- (7) To advise and recommend to the City Council and to assist city departments and the City Manager annually on the elements of prioritized, unified operating and capital improvement program budgets for transportation;
- (8) To provide a forum for public hearings and other public involvement mechanisms to assure community-based transportation plans, projects and issues, and to meet all federal and other guidelines for public involvement in transportation projects where applicable; and

(9) To take any such further actions as may be deemed necessary and appropriate to further the goals of the commission.

FISCAL IMPACT or IMPACT TO CURRENT RESOURCES: N/a

ATTACHMENTS: None

DRAFT DEVELOPMENT BONUS PROGRAM URBAN CODE DISTRICT AND URBAN CORE MASTER PLAN

Memorandum

From: BAE through Community Development Department
Date: January 02, 2020
Re: Draft Development Bonus Program Update

This Memorandum (memo) provides an overview of the City of Tempe Voluntary Development Bonus Program (DBP) for Urban Code District (UCD), and Urban Core Master Plan (UCMP). Several municipalities in Arizona use voluntary DBPs to encourage the incorporation of community benefits such as sustainable development, affordable/workforce housing, and park space in developments. Under a DBP, cities provide developers the opportunity to earn additional project value in exchange for developer contributions that result in community benefits. If the value of the developer contributions is less than the additional value created by the bonus for the development, the developer is incentivized to voluntarily participate in the program.

The City of Tempe has engaged BAE Urban Economics (BAE) to evaluate and assist in the development of a voluntary DBP that incentivizes developers to provide onsite, and off-site public amenities or in-lieu funds towards community benefits.

This memo provides a draft of the structure of the DBP, requirements for participating in the program, the participation process, and the substance of an associated Transfer of Development Rights (TDR) program applicable only for Historic Preservation bonus. This program is being prepared concurrently with the adoption process of the Urban Code District (UCD) and Urban Core Master Plan (UCMP) efforts to encourage developer participation when UCD and UCMP are implemented.

1. Structure of the DBP Program

Tempe's DBP is a voluntary program available within the UCD that would allow developers to achieve additional building heights and densities in exchange for a defined set of community benefits (Bonus Elements), including affordable and workforce housing, sustainability elements, historic preservation assurance (when applicable), and/or outdoor public gathering space and connections. The program requires developers to provide at least one category of community benefits or connectivity onsite. Developers can then use an Affordable Housing In-Lieu Fee to make up any gap required to achieve the designated points required to obtain a development bonus.

San Francisco

2600 10th St., Suite 300
Berkeley, CA 94710
510.547.9380

Sacramento

803 2nd St., Suite A
Davis, CA 95616
530.750.2195

Los Angeles

448 South Hill St., Suite 701
Los Angeles, CA 90013
213.471.2666

Washington DC

1140 3rd St. NE, 2nd Floor
Washington, DC 20002
202.588.8945

New York City

234 5th Ave.
New York, NY 10001
212.683.4486

The DBP also provides reference for calculating recommended building heights and densities when developers apply for UCMP heights through a Planned Area Development (PAD) or Development Agreement process.

Program Approach

Success of the DBP depends on voluntary developer participation. To incentivize developers to participate, the program is structured to seek bonus element contributions equal only to approximately half the additional project value (profits) that a developer would earn from building to higher maximum heights and/or densities (Incremental Project Value)¹.

Developers are often willing to share parts of additional project value with investments in the development towards community benefits. However, they need incentives in the form of additional profits to undertake any processes or requirements outside the normal courses of business. Developers are unlikely to make ongoing commitments to affordable housing, historic preservation – or to a lesser extent, public gathering space and sustainability improvements – without realizing greater financial gains than under base zoning entitlements.

In its experience negotiating developer community benefits agreements and creating special assessment districts across the United States, BAE notes that developers are most likely to participate in programs where the developers can retain more than fifty percent of the Incremental Project Value after they provide public benefits. Thus, as a general guideline, the DBP uses the following calculation to determine the value of Bonus Elements that a developer would be willing to contribute in exchange for additional development rights:

$$\begin{aligned} \text{Maximum cost of developer contribution} &= 0.5 \times (\text{Bonus Project Value minus Base Project Value}), \\ &\text{or} \\ \text{Maximum cost of developer contribution} &= 0.5 \times (\text{Incremental Project Value}) \end{aligned}$$

Although the City is not extracting 100 percent of the developer's Incremental Project Value, it is achieving total public benefits that outweigh the costs to provide the bonus elements. For example, sustainability elements in a development contribute to a healthier urban environment and better air quality; outdoor gathering spaces increase mobility and vibrancy and contribute to placemaking efforts; historic preservation provides for the ongoing conservation of local neighborhood and/or cultural character; and affordable housing provides residential opportunities to lower income residents, increases educational outcomes, and enhances economic development potential for the City. The City will enjoy a total high value because of the tangible and intangible benefits to the community. All the public benefits included in the DBP are among the priorities of the City as envisioned in the City's Strategic Priorities.

¹ Incremental Project Value equals the value of a project under bonus development less the value of the project under a base development scenario.

DBP Bonus

Bonus development is achieved through the accumulation of Bonus Element Points (points). A developer may obtain a Bonus through the accumulation of 100 points. Table 1 shows base and bonus heights and densities in each UC Zone. Base and bonus development heights and densities are structured to minimize changes in construction types, which can have an adverse impact on profitability for developers.

Developers wishing to apply for the UCMP heights shown in Table 1 would first be required to comply with Bonus eligibility requirements as a prerequisite. Additional heights are contingent upon providing commensurate amount of public benefits provided by the developer and meeting all applicable UCMP design guidelines.

The UCMP heights are negotiated on a case-by-case basis.

Table 1: DBP Base and Bonus Development

Urban Code District	UCD Base	UCD Bonus <i>requires 100 points</i>	UCMP
UC-1	125 ft 65+ du/acre	160 ft 65+ du/acre	250+ ft 65+ du/acre
UC-2	90 ft 65+ du/acre	130 ft 65+ du/acre	130 ft 65+ du/acre
UC-3	90 ft up to 65 du/acre	130 ft 65+ du/acre	160-250+ ft 65+ du/acre
UC-4	70 ft up to 45 du/acre	90 ft up to 65 du/acre	130-250+ ft 65+ du/acre
UC-5	55 ft up to 25 du/acre	60 ft 25 to 45 du/acre	90 ft up to 65 du/acre
UC-6	40 ft up to 20 du/acre	45 ft up to 20 du/acre	45 ft up to 25 du/acre
UCMP Only			250+ ft 65+ du/acre

Entitlement Review Benefits

The DBP provides more than just additional development potential. Developments in UC Zones 3-6 can participate through Administrative Review. All other participation requires Council Review. The administrative review is for the calculations of heights and densities available according to the bonus points earned. All projects are required to go through a Development Plan Review (DPR) process to get approval for the design and site plan.

Even for the developments requiring Council Review, staff will recommend approval for those projects which meet the DBP and UCD requirements for heights and densities. This process is designed to provide certainty and predictability to the development community, and in most cases, reduce the need for Council project approvals and associated staff time.

2. Bonus Elements Menu and Points

The Bonus Elements menu provides flexibility to the development community in participating in the Bonus Program. A developer can participate in the DBP through the inclusion of one or more onsite Bonus Elements combined, if necessary, with an In-Lieu Fee payment. Points are assigned to each element to make participation easier for the developer who can choose the most suitable combination to earn bonus points for the development.

Table 2: Bonus Elements and Points by Zone

Bonus Elements and Points	Bonus Elements and Points by Zone							
	UC-1		UC-2		UC-3		UC-4	
	Public Benefit	Pts	Public Benefit	Pts	Public Benefit	Pts	Public Benefit	Pts
Affordable Housing, On-Site								
Up to 50% AMI	3%	100	3%	100	3%	100	3%	100
51% to 80% AMI	7%	100	7%	100	7%	100	7%	100
81% to 100% AMI	10%	100	10%	100	10%	100	10%	100
101% to 120% AMI	N/A	100	N/A	100	N/A	100	N/A	100
Housing In-Lieu Fee, Fee per Point	\$12,500	1	\$12,500	1	\$34,700	1	\$34,700	1
Public Outdoor Gathering Space All Zones provide the greater of 0.2 acres or 10% of lot coverage		10		10		18		18
Sustainability Elements, Points per \$250,000 in qualified expenditures		20		20		10		10

On-Site Affordable Housing

Developers can earn a bonus by providing affordable housing units within their residential development projects. Although the City’s Housing Services Division will provide ongoing monitoring for affordable housing units, the inclusion of rent or deed-restricted units can be generally outside of a developer’s normal course of operations. The City recognizes that providing affordable and workforce housing on site should provide 100 points to the developer without the need for the inclusion of other Bonus Elements. Table 2 shows a menu of options to provide onsite affordable housing, with varying percentages of affordable housing units at different affordability levels. The bonus points have been calibrated between affordability options to be roughly equivalent to the developer’s foregone revenue amounts, with requirements for a larger percentage of units to be provided at higher affordability levels to obtain the same amount of bonus points. To comply with this option, a developer would choose one of the percentages of housing units provided and corresponding affordability levels shown in the table and provide those units onsite in the same size, mix, and configuration as the overall project. In other words,

the units provided as affordable units will have the same number of average bedrooms as the average number of bedrooms in the development. For example, a residential developer in UC-3 would provide either 3 percent of Total Project Units to households earning 50 percent of Area Median Income (AMI)², or 7 percent units to households earning 80 percent of AMI to achieve 100 points, but not both.

Onsite affordable housing benefits are not available to commercial uses or office development. These uses are not appropriate for affordable units and therefore cannot provide this Bonus Element to accumulate DBP points. Commercial project uses can provide other onsite benefits to earn points, including making up gaps in points through Affordable Housing In-Lieu Fee payments.

On-Site Public Outdoor Gathering Space

Under the DBP, an applicant that dedicates the greater of 0.2 acres or 10 percent of its net site area to public outdoor gathering space is eligible to earn bonus element points for public gathering space. Each additional increment of the net site coverage is eligible to earn additional points. Points can be earned in multiples of the base rate, and *may* be scaled, depending on ultimate program design. For example, a project in UC-3 can earn 18 points by providing 10 percent of its site for public gathering space or 36 points by providing 20 percent of its site area.

Eligible public gathering spaces are based on definitions and development standards listed in the UCD. Selected standards for outdoor gathering spaces are provided below:

1. Incorporates a minimum of three of the following pedestrian scale features:
 - Lighted bollards
 - Movable tables and chairs
 - Benches or swings
 - Seat walls and / or raised landscape planters
 - Shade trees
 - Pots or hanging baskets filled with seasons plant material
 - Informal kiosks
 - Stage, amphitheater, or other performance space,
 - Sculptures, or other public art features
 - Water features
2. Integrates landscaping and/or structures to provide shading for the outdoor gathering spaces.
3. Provides direct access to sidewalks and pedestrian walkways.

² The AMI for the Phoenix-Mesa-Scottsdale MSA in 2019 is \$72,900 (for a family of 4) (<https://www.huduser.gov/portal/datasets/il/il2019/2019summary.odn>).

On-Site Sustainability Elements

Under the DBP, a developer will earn points for every \$250,000 in spending on qualified (from the list below) sustainability expenditures. Points for sustainability can be obtained in multiples of the minimum points awarded for each \$250,000 in qualified expenditures but cannot be gradually scaled.

The following elements qualify for inclusion in the sustainability bonus element.

A. Resilience to Extreme Heat

1. Provide shade coverage on at least 30% of the east and west above-grade walls and retaining walls from grade level to a height of 20 ft or the wall height. Shade coverage shall be calculated at 10 am for the east walls, and 3 pm for the west walls on summer solstice. Any vegetation providing shading shall consist of biodiverse plantings of native plants and adapted plants.
2. At least 50% of the site hardscape that is not covered by solar energy systems shall be shaded by biodiverse planting of native and adapted plants. The shade coverage on hardscape shall be the arithmetic mean of the shade coverage at 10 am, noon, and 3 pm on summer solstice.
3. A minimum of 75% of the roof shall be covered with any of the following products.
 - a. Roof coverage materials with a three-year aged SRI value of 35.
 - b. Vegetative terrace or roofing system that consist of plants that are suitable for the microclimate, and which provide foliage to at least 50% of the designated area for vegetation.

Note: Photovoltaic solar installation shall be excluded from the required roof area calculations.

4. Site development incorporates minimum 3 ft. deep window overhang(s) or similar architectural features to shade 75% of all west facing windows and 50% of all proposed glazed windows. The shade coverage shall be the arithmetic mean of the shade coverage at 10 am, noon, and 3 pm on summer solstice.
5. Provide on at least 50% of the site hardscaped area, permeable paving, structured soil/grass, open grid paving or similar material which allows for water to permeate the surface to promote natural drainage and filtration.
6. Site development incorporates functional rainwater harvesting that irrigates at least 75 percent of the total landscape area.

B. Greenhouse Gas Emissions Reduction

1. Ensure 80% of all parking spaces are EV charger ready (wiring) and with 10% of spaces with EV chargers installed.
2. Site development at grade and roof incorporates solar panels which cover 20 percent of the net site area, with a minimum size of 250 watts for each panel.
3. Allocate space and pathways for future installation of on-site renewable energy systems including solar panels and battery deployment.
4. Any other sustainability feature (s) from the International Green Construction Code (IgCC) 2018 or updated IgCC codes adopted by City of Tempe to enhance the sustainability of the development, to be reviewed and accepted by the Community Development Director or designee.
5. Achieve energy conservation levels that are at least 50% of the baseline energy consumption in the project, and get it certified by a third party.
6. Provide for on-site microgrid (local energy grid with control capability powered by distributed generators, batteries or renewable resources) investment for critical uses (30% of expected summer electrical load).

Affordable Housing In-Lieu Fee Payment

To achieve additional bonus points even after providing onsite community benefits, a developer may pay an affordable housing in-lieu fee to make up the difference to reach the 100 points needed for a bonus. Since the City wants to prioritize on-site benefits, developers can only earn a maximum of 70 points from in-lieu fees towards achieving the Bonus. In-lieu fee amounts per point vary by UC zone. The amounts are paid on a per bonus point basis. For example, if a developer needs thirty points to achieve the required total of 100 bonus points, that developer would pay 30 times the amount of the in-lieu fee per point for its associated UC zone. Table 2 shows the in-lieu fee amount for each bonus point by UC zone.

Historic Preservation

The DBP can also be accessed through historic preservation on properties that are Historic Eligible, Historic Registered, and National Registered properties. Because many of the parcels containing historic preservation properties do not have enough site space to accommodate additional development, the DBP provides developers an opportunity to earn development bonus points through a Transfer of Development Rights (TDR) program. To receive the TDR credits, the owner of historic property would need to provide the City with a perpetual historic and façade conservation easement, and sign a Development Agreement with the City,

The next section provides a description of Transfer of Development Rights process for historic preservation.

Transfer of Development Rights (TDR) Program

Tempe enjoys a rich multi-cultural heritage evident through its historic buildings, neighborhoods and structures. Less visible, but equally important, are the archaeological resources of Tempe's past. Protection and enhancement of Tempe's heritage is critical to preserving the unique identity of our community. The blending of the past with the present enriches our city and all of its citizens. However, the tools available for historic preservation are limited and the development of a regulatory structure that favors preservation is critical to protecting Tempe past, both historic or prehistoric. The goal of the Transferable Development Rights (TDR) regulations is to allow for the preservation/protection of significant historic properties and archaeological sites while allowing for additional growth in the appropriate locations.

As part of the DBP, the City of Tempe is also creating a TDR program to promote voluntary historic preservation. TDR allows owners of historic eligible, local historic register, and national historic register properties to obtain Incremental Project Value in exchange for voluntarily committing to the preservation of Tempe's historic properties. The City can protect historic resources and establish a process and procedure by which a landowner can transfer the development rights of a certain property with historic structures or historic significance and apply the rights to another property that is eligible to receive additional development rights. Projects eligible to participate and that voluntarily participate in the DBP via Historic Preservation will receive bonus development rights in the form of TDR. TDR transfers with the sending property until sold to a receiving property, where the rights will reside once purchased.

Sending Properties

Properties that participate in the UCD and meet DBP Historic Preservation eligibility requirements (i.e., have structures that are listed on the National Register of Historic Places (NR), Tempe Historic Property Register (THPR), Tempe Historic Eligible (HE), and structures which are fifty (50) years or older and upon review are deemed eligible for the National Register of Historic Places) can become sending properties. In addition to opting into the UCD, the property owner must also undertake the following:

- Provide a permanent historic conservation easement on the property to the City
- Preserve the historic property to Historic Preservation Commission (HPC) standards
- Sign a Development Agreement with the City

Prior to exercising the rights of the TDR, the sending property must grant an historic conservation easement to the City and sign the Development Agreement. Once the TDR is approved, the development rights of the sending properties will be severed from the property.

Receiving Properties

Any property within UCs 1-5 that is eligible to receive a Bonus under the DBP — and has opted-in to the UCD and met the baseline requirements - is eligible to purchase and receive TDR, including

the sending property if it is large enough to accommodate both the historic building and new development. A Receiving Property does not need to acquire Bonus Points to build to the development potential obtained through TDR. However, under no circumstances can a receiving property exceed its specific UCMP heights and densities. A receiving property must use the processes specified under the Development Bonus Program pursuant to its Zone to obtain additional bonus entitlements.

Procedure for Transfer

The procedure for the TDR shall be in accordance with the TDR ordinance which will describe how a sending and receiving properties will be required to document the transfer.

TDR Calculation

The TDR on a property will be calculated as follows:

1. Determine the existing height (at building eave, not apex), and floorplate of the existing building in the sending property to calculate existing volume (in cubic feet) of development.
2. Determine the development potential (cubic feet) in the sending property under the corresponding Tier 2 Bonus using the bonus height times the square footage of the sending site's maximum developable floorplate (i.e., site size less any required setbacks, open space, etc.).
3. Subtract the development potential cubic feet from the existing building cubic feet. This is the amount of TDR available to be sent to a receiving property.

The calculation established above can be summarized in through the following formula:

Cubic Feet of Bonus Development Potential (sending site max floorplate Sq. Ft. x Tier 2 bonus height)	-	Existing Building Cubic Feet (existing floorplate Sq. Ft. x existing building height at roof eave)	=	Total permitted development transfer in cubic feet
-------------------------------------------------------------------------------------------------------	---	----------------------------------------------------------------------------------------------------	---	----------------------------------------------------

An ordinance will be developed for TDR, that will include the elements discussed above.

3. Examples of Achieving Bonus Points

This section provides some examples of how a developer could voluntarily participate in the DBP.

UC-3 Multifamily

Assume a Development Bonus Potential on a Site: A maximum of 130 ft and 65+ du/acre (100 points required)

Example parcel: 5 acres

- Base Development: 317,260 Square Feet, or 325 units
- Bonus Development: 383,500 Square Feet
- Bonus Increment: 66,240 Square Feet, or 100 units
- Potential Value Capture: \$2.9 million

Path to Tier 2 Bonus

- Provide 20% of net lot area as outdoor public gathering space (36 points)
- Provide \$1 million in qualified sustainability expenditures (40 points)
- Total onsite element points: 76
- Total Bonus Points Required: 100
- Gap: 24 points obtained through in-lieu fee payment of \$34,700 per bonus point.

Table 3: UC-3 Multifamily

	UC-3 Multifamily		Points
	Base	Bonus	
Parcel Size (acres)	5.0	5.0	
Project Size (sf)	317,260	383,501	
Profits	\$7,364,349	\$13,193,200	
Potential Value Capture		\$2,914,425	
Open Space		\$871,200	36
<u>Sustainability Element Expenditures</u>		<u>\$1,000,000</u>	<u>40</u>
<i>Subtotal</i>		<i>\$1,871,200</i>	<i>76</i>
<u>Gap Required Through Affordable Housing In-Lieu</u>		<u>\$832,800</u>	<u>24</u>
Total		\$2,704,000	100

Source: BAE; 2019.

UC-2 Historic Preservation through TDR

Development Bonus Potential: 140 ft

Existing Building

- Height: 30 Feet
- Floorplate: 4,500 Square Feet
- Total Existing Volume: 135,000 Cubic Feet (cft)

Bonus Development Potential

- Height: 130 Feet
- Floorplate: 4,500 Square Feet
- Total Bonus Volume: 585,000 Cubic Feet (cft)

TDR

- Height: 100 Feet (130'-30'), if the floor plate at the sending and receiving properties are the same
- Volume: 450,000 Cubic Feet (585,000 cft – 135,000 cft)
 - 30,000 Square Feet at an average 15 ft ceiling height
 - 37,500 Square Feet at an average 12 ft ceiling height

Table 4 shows Pathways to Achieve Bonus Heights and Densities.

Table 4: Pathways to Achieve Bonus Heights and Densities

Bonus Achieved/Bonus Elements	UCD Base Height and Density	UCD Base Height and Density + Bonus Height and Density	UCMP Heights and Densities	Remarks
Affordable/Workforce Housing	By opting in and meeting base UCD requirements	Onsite Affordable Housing achieves Bonus	Opt-in to the available UCD, provide bonus, and meet all applicable design guidelines. Apply for UCMP heights through a PAD or Development Agreement process.	
Sustainability	By opting in and meeting base UCD requirements for sustainability	Meet IgCC-related base requirements, spend at least \$250K on qualified expenditures (or multiples of \$250K), and provide some other combination of bonus elements as needed to achieve 100 points	Opt-in to the available UCD, provide bonus, and meet all applicable design guidelines. Apply for UCMP heights through a PAD or Development Agreement process.	
Public Gathering Space	By opting in and meeting base UCD requirements for public space	Provide minimum amount of onsite public space beyond base requirements and provide some other combination of bonus elements to achieve 100 points	Opt-in to the available UCD, provide bonus, and meet all applicable design guidelines. Apply for UCMP heights through a PAD or Development Agreement process.	
Historic Preservation	By opting in and meeting base UCD requirements for HP	Opt into UCD, go through HP Review and Development Agreement, provide historic/façade easement. Obtain TDR equal to bonus height times floorplate (sq. ft.) less existing building.	Receiving properties can use TDR to achieve UCMP heights if it also opts-in to the available UCD and meets all applicable design guidelines.	Purchasers/Users of TDR cannot exceed maximum heights or densities within each UCD.

Development Bonus Program (DBP) for UCD & UCMP

Program Summary Draft
January 2020





Overview – Development Bonus Program (DBP)

- I. Voluntary Program as part of Urban Code District (UCD), Urban Core Master Plan (UCMP)

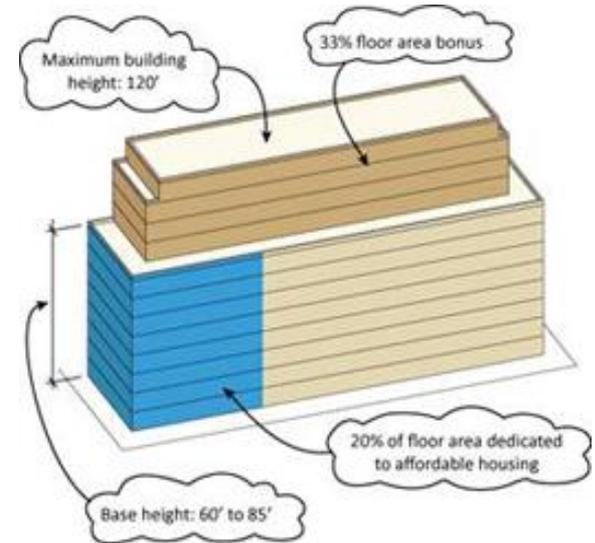
- II. Height and Density Bonus in exchange for Community Benefits
 - Affordable Housing
 - Public Gathering Space
 - Sustainability
 - Historic Preservation

- III. Bonus Program Structure
 - A. UCD Base and Bonus Heights
 - B. Historic Preservation bonus through TDR
 - C. Reference menu for UCMP heights and densities

Development Bonus Program (DBP)



- A **voluntary** program as a part of UCD and UCMP that offers increases in building heights and densities for developers in exchange for providing community benefits (Bonus Elements). Provides certainty in development.
- Well-established precedent in other Arizona jurisdictions, such as Phoenix and Scottsdale.
- “Incremental Project Value” derived from bonus heights and densities can enable developers to provide community benefits.



Program Approach



- Developer Contributions Required to Achieve Bonus Points
 - equals about one half of “Additional Project Value” gained because of bonus height and density.
- Benefits to the City and Community
 - Community amenities provide additional intrinsic social and economic benefits beyond the financial cost of the provision of these benefits.

Bonus Element – Affordable Housing



1. Include dedicated percentage of on-site units for households earning either 50%, 80% or 100% of Area Median Income (AMI).
 - 2019 AMI for a family of four in Maricopa is \$72,900
2. Developer can choose to provide units for any AMI level (see 1) in the project.





Bonus Element – Offsite

In-Lieu Fee (for Tempe Affordable Housing Trust Fund)

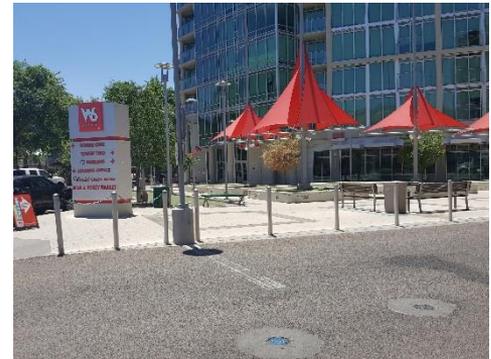
- Can be paid to obtain development Bonus Points, but only *after* providing at least one On-site Bonus Element.
- In-Lieu Fee is project specific and varies by Urban Code Zone.
- To encourage on-site public benefits, projects cannot earn sufficient points from in-lieu fees alone to receive bonus.



Bonus Element – Public Outdoor Gathering Space



- Dedicate minimum 0.2 acres or 10 percent of net site area to provide Public Outdoor Gathering Space.
- Eligible spaces must meet UCD Development Standards for Plazas and Urban Parks.
- Only the spaces provided beyond what is required by UCD earn points.



Bonus Elements – Sustainability Elements



- Eligible Expenditure List includes items such as Rainwater Harvesting, Solar Panels, and Shade Elements.
- Bonus Points based on cost of Total Qualified Expenditures on the sustainability elements - as reviewed by City staff.



Bonus Element - Historic Preservation

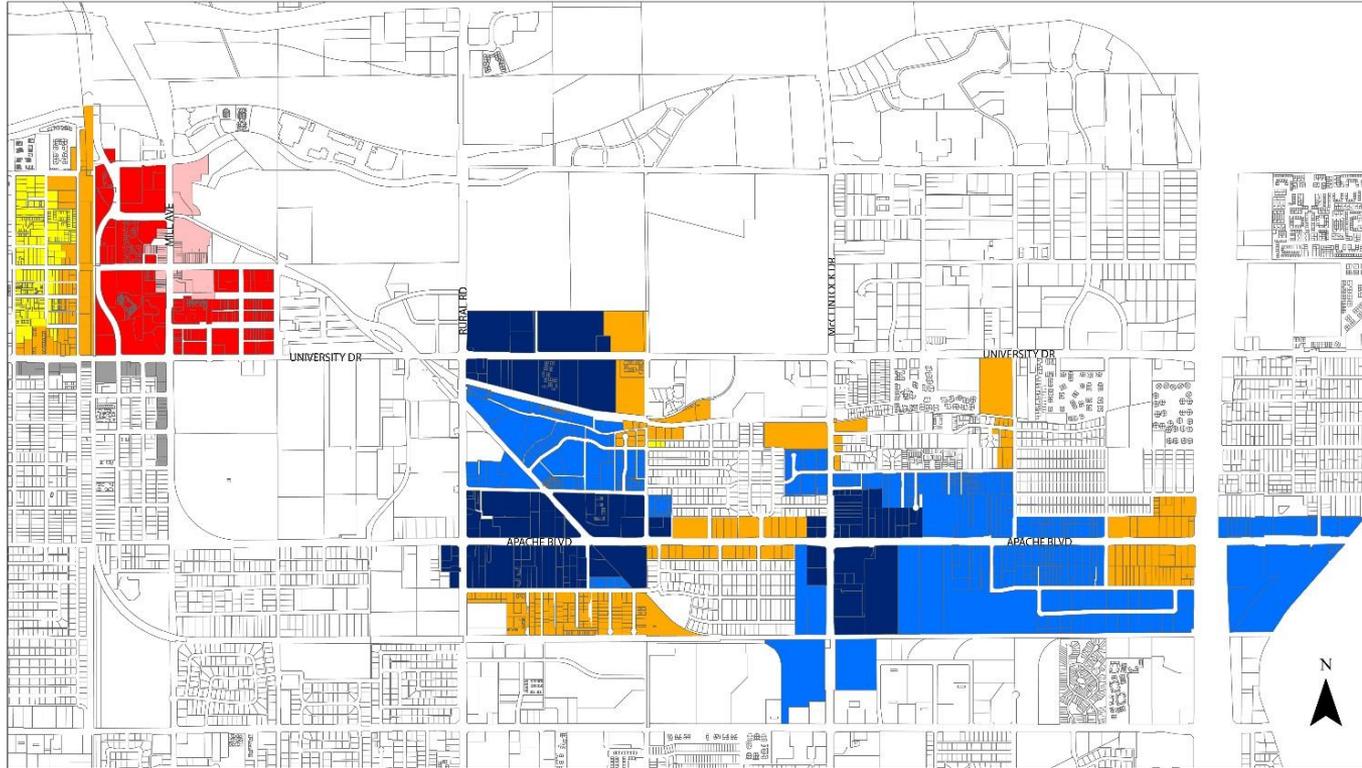


Bonus is available to Historic Eligible, Historic Registered, and National Registered properties:

- Bonus provided through Transfer of Development Rights (TDR) mechanism
- Requires property owner to provide to the City conservation easement to protect the historic property.



UCD Map



UC-1



UC-2



UC-3



UC-4



UC-5



UC-6



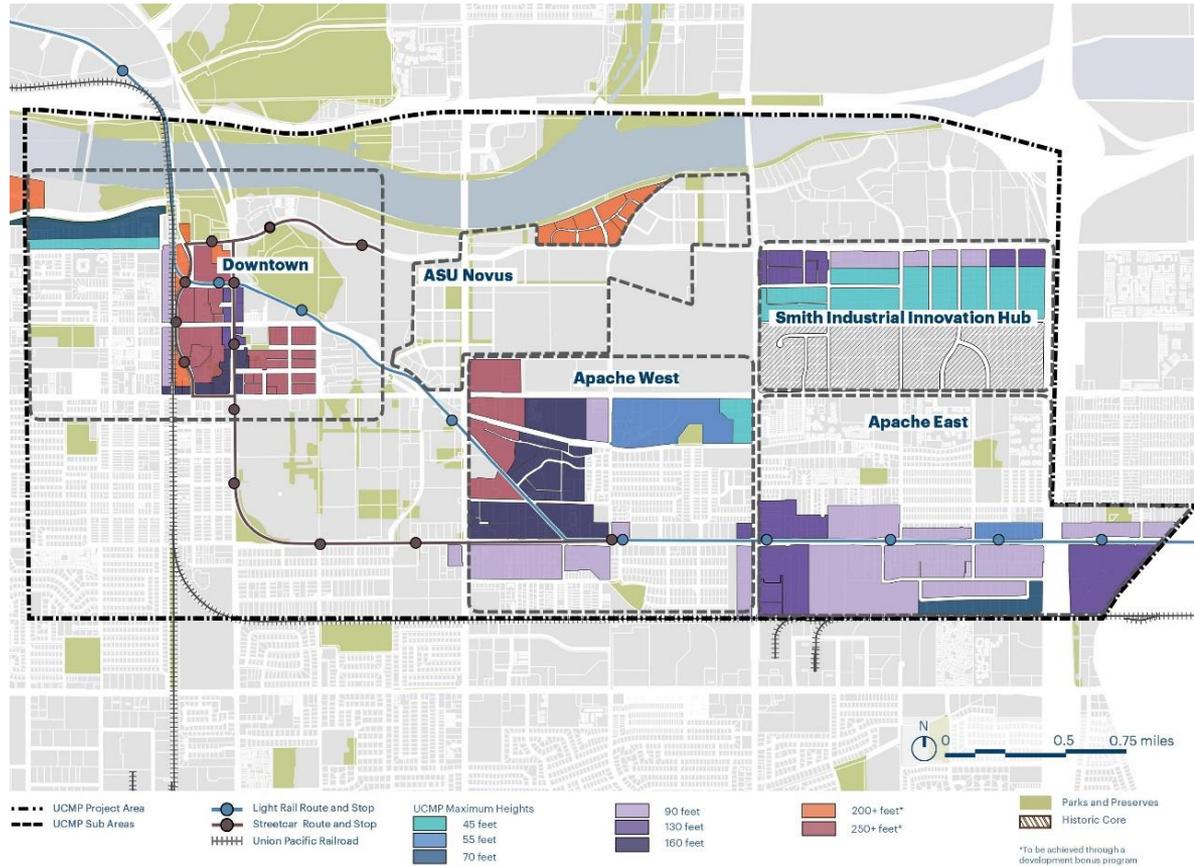
UC-7



UCD Base and Bonus Development Potential

Urban Core District	Base	Bonus
UC-1	125 ft 65+ du/acre	160 ft 65+ du/acre
UC-2	90 ft 65+ du/acre	130 ft 65+ du/acre
UC-3	90 ft up to 65 du/acre	130 ft 65+ du/acre
UC-4	70 ft up to 45 du/acre	90 ft up to 65 du/acre
UC-5	55 ft up to 25 du/acre	60 ft 25 du/acre
UC-6	40 ft up to 20 du/acre	45 ft up to 20 du/acre

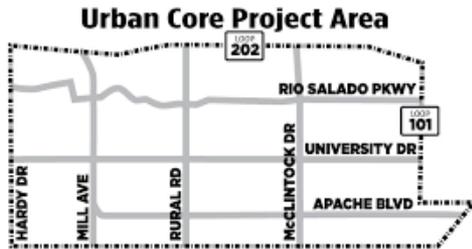
Urban Core Master Plan (UCMP) Map





Urban Core Master Plan (UCMP)

To obtain UCMP heights, applicant complies with UCD Bonus eligibility, and additional requirements as established in UCMP. Utilize the bonus elements menu to gain points for bonus. Rezoning process approved by Council



Urban Core District	Base	UCMP
UC-1	125 ft 65+ du/acre	250+ ft 65+ du/acre
UC-2	90 ft 65+ du/acre	130 ft 65+ du/acre
UC-3	90 ft up to 65 du/acre	160-250+ ft 65+ du/acre
UC-4	70 ft up to 45 du/acre	130-250+ ft 65+ du/acre
UC-5	55 ft up to 25 du/acre	90 ft up to 65 du/acre
UC-6	40 ft up to 20 du/acre	45 ft up to 25 du/acre
UCMP Only		250+ ft 65+ du/acre

Onsite Bonus Menu– Affordable/Workforce Housing



<u>Affordability Level</u>	<u>UC-1 Residential</u>	<u>UC-1 Commercial</u>	<u>UC-3 Residential</u>	<u>UC-4 Residential</u>
Up to 50% AMI	3%	N/A	3%	3%
Up to 80% AMI	7%	N/A	7%	7%
Up to 100% AMI	10%	N/A	10%	10%
Bonus Points	100		100	100

- Applicants can earn **100 Bonus Points** by providing required On-site Affordable Housing units.
- Average number of bedrooms per affordable unit must be the same as the average in the market-rate component of the project.



Onsite Bonus Menu – Public Gathering Space

<u>Public Outdoor Gathering Space</u>	<u>UC-1 Residential (a)</u>	<u>UC-1 Commercial</u>	<u>UC-3 Residential</u>	<u>UC-4 Residential</u>
Size by Net Lot Coverage	0.2 acres or 10%	0.2 acres or 10%	0.2 acres or 10%	0.2 acres or 10%
Bonus Points	10	10	18	18

- Based on UC Zone, applicants can earn multiples of 10 or 18 Bonus Points by providing Public Outdoor Gathering Space.
- Must be 0.2 acres in size or 10 percent of net lot coverage, whichever is greater.



Onsite Bonus Menu - Sustainability Expenditures

<u>Sustainability Elements</u>	<u>UC-1 Residential (a)</u>	<u>UC-1 Commercial</u>	<u>UC-3 Residential</u>	<u>UC-4 Residential</u>
<u>Qualified Expenditures</u>	\$250,000	\$250,000	\$250,000	\$250,000
Bonus Points	20	20	10	10

- Applicants can earn multiples of 10 or 20 Bonus Points by providing each \$250,000 in On-site Sustainability expenditures.
- Qualified expenditures and associated cost must be reviewed and approved by City Staff.



DBP – Sustainability Bonus Elements

Resilience Against Extreme Heat

Shade coverage on east and west walls with biodiverse, native, and adapted plants.

At least 50% of the uncovered hardscape shall be shaded by biodiverse, native and adapted plants.

Roof covered with any of the following products.

- Materials with a three-year aged SRI of minimum 35
- Vegetative terrace or roofing to provide foliage

Architectural shading for 75% of west facing windows and 50% of glazed windows.

Min. 50% of the site hardscaped area to have permeable paving or grass.

Rainwater harvesting to irrigate min. 75 percent of landscaped area.

DBP – Sustainability Bonus Elements



Greenhouse Gas Emissions Reduction

80% of parking spaces are EV charger-ready, 10% of spaces with EV chargers installed.

Solar panels to cover min. 20 % of the net site area, with a min. 250 watt panels.

Space and pathways for future installation of on-site renewable energy systems.

Comply with any other IgCC 2018 or updated requirements, certified by a third party.

Energy savings of min. 50% of the baseline energy consumption

Provide for on-site microgrid investment for 30% of expected summer electrical load.



Affordable Housing In-Lieu Fee Points

<u>Affordable Housing In-Lieu Fees</u>	<u>UC-1 Residential (a)</u>	<u>UC-1 Commercial</u>	<u>UC-3 Residential</u>	<u>UC-4 Residential</u>
<u>Per Bonus Point</u>	\$12,500	\$12,500	\$34,700	\$34,700
<u>Bonus Points</u>	1	1	1	1

- Applicants can earn up to 70 Bonus Points towards a UCD bonus by paying Affordable Housing In-Lieu Fee
- In-lieu fees can only be used to make up the gap in bonus points needed after providing on-site improvements.



Pathways to UCD Bonus

Example: Multifamily

5-acre parcel UC District 3

100 points to achieve Tier 2 Bonus

- ✓ Provide 3% of Total Project Units affordable to households earning 50% AMI, *OR*
- ✓ Provide 7% of Total Project Units affordable to households earning 80% AMI, *OR*
- ✓ Provide 10% of Total Project Units affordable to households earning 100% AMI

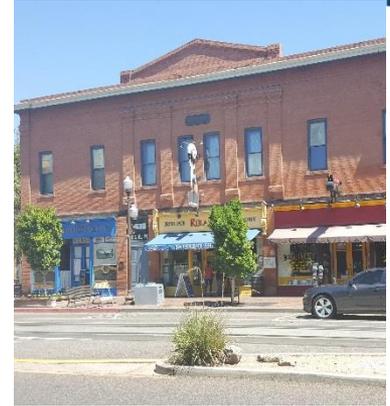


Voluntary TDR for Historic Preservation



Historic properties that provide conservation easement to the City can earn full UCD bonus, and transfer development rights (TDR) to another property within UCD.

- Historic property is the *Sending Property*
- Site utilizing the TDR is the *Receiving Property*
- *Receiving property* can build up to its UCMP maximum heights using the TDR.

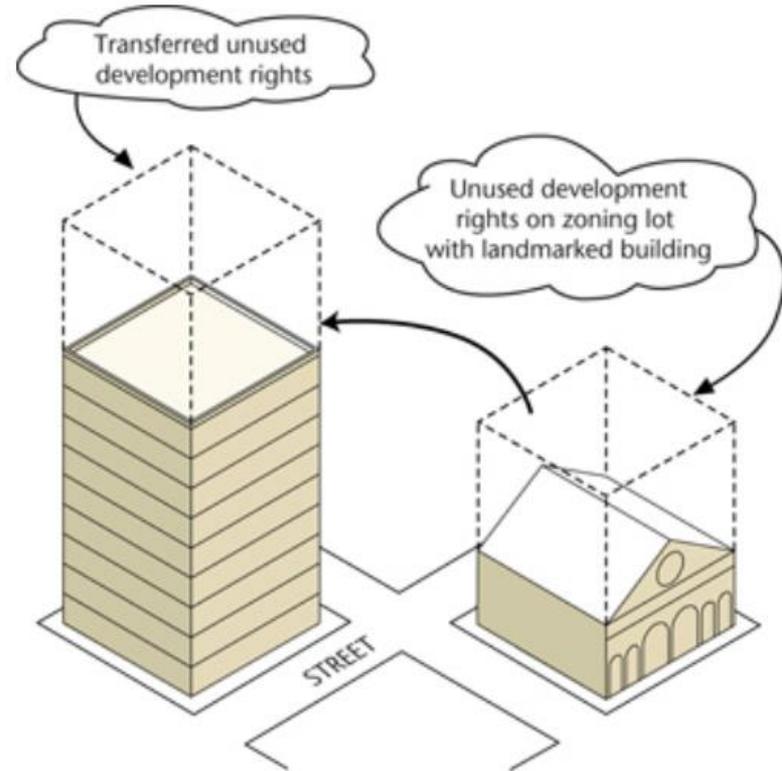


V. Voluntary TDR for Historic Preservation



How to calculate TDR:

UCD Bonus Potential (cubic ft)
minus
Existing Buildout (cubic ft)
Equals
Total permitted TDR



(Image: NYC.gov)



Example of TDR for Historic Preservation

Existing Historic Building

Height: 30 feet

Floorplate: 4,500 square feet

Volume: 135,000 cubic feet

(Allowable TDR)

UCD Bonus Development Potential

Height: 130 feet

Floorplate: 4,500 square feet

Bonus Volume: 585,000 cubic feet

Transferable Right

Height: 100 feet

Volume: 450,000 cubic feet

- 30,000 sf at 15 feet per story
- 37,500 sf at 12 feet per story



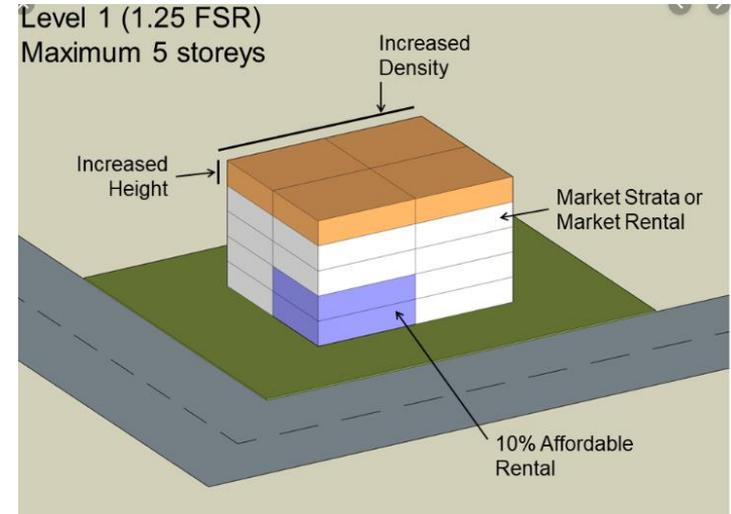
III. Process to Achieve Bonus

Bonus Achieved/Bonus Elements	UCD Base Height and Density	UCD Base Height and Density + Bonus Height and Density	UCMP Heights and Densities	Remarks
Affordable/Workforce Housing	By opting in and meeting base UCD requirements	Onsite Affordable Housing achieves Bonus	Opt-in to the available UCD, provide bonus, and meet all applicable design guidelines. Apply for UCMP heights through a PAD or Development Agreement process.	
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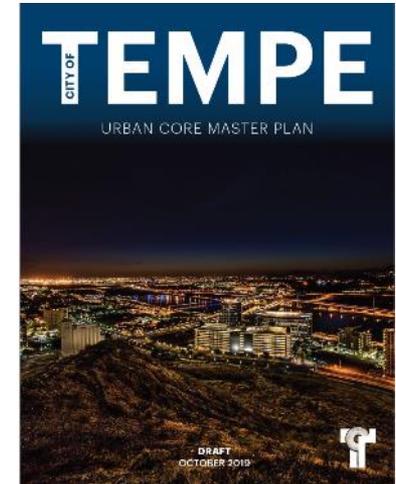
Summary

- Create certainty and predictability in development environment through a largely administrative processes
- Reduce the need for discretionary Planned Area Development (PAD) approvals and associated staff time
- Obtain public benefits in exchange for additional density and height



DBP Adoption Process

- DRC Study Session: December 10, 2019
- Various Commissions, Boards and Non-Profits: January, February 2020
- DRC Hearing: January 28, 2020
- Council Work Study Session: January 30, 2020
- City Council First Hearing on February 13, 2020
(Continued Date for UCMP, UCD and GPA 2nd Hearing)



ZONING AND DEVELOPMENT CODE
CITY OF TEMPE

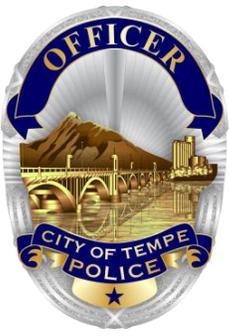
URBAN CODE DISTRICT

Questions/Comments



BAE Urban Economics
City of Tempe

Ambika_Adhikari@Tempe.Gov



Memorandum



Tempe Police Department

TO: Tempe Transportation Commission
FROM: Sergeant Damon DeSpain and Officer Ryan Conway, Tempe Police Department
DATE: 1/7/2020

SUBJECT: PD Bait Bike and Bicycle Registration

In 2012, Tempe Police purchased its first device to track bicycle thefts. Since then, the device has been updated and is still utilized today. Here are some facts about the Bait Bike Program today.

- New Device has better cell coverage utilizing the 3G cellular network
- Focus area is Downtown Tempe. It has been utilized in other areas of the City.
 - Placement is determined on cell coverage. Parking garages still give us issues.
- Financial cost to the city is \$216 annually.
- 14 Arrests utilizing the Bait Bike were made in 2019.
- Reported Bike Thefts in the Downtown:
 - 2015 – 89 bike thefts
 - 2016 – 76 bike thefts
 - 2017 – 69 bike thefts
 - 2018 – 44 bike thefts
 - 2019 – 62 bike thefts

In efforts to reduce bike thefts, Tempe Police Department partnered with Project 529 to promote bicycle registration in 2017. This took bicycle registration out of our records division and added it to the international database. Bicycle Shops in Tempe have joined us in promoting this website/app and Crime Prevention promotes its use at various events around the city. The City Website directs people to this website/app. Police Officers, and the general public, can use this website/app to look up serial numbers of found bicycles to see if the bicycle has been reported stolen on the website/app. 1-in-5 bicycles are reported stolen to police, so this gives Police Officers another tool to check ownership of a bicycle and if it is stolen, but not reported to police. Since this is an international database, it currently covers the United States and Canada.

MEMORANDUM



TO: Tempe Transportation Commission
FROM: Bonnie Richardson, Principal Planner, 480-350-8628
DATE: January 14, 2020
SUBJECT: Transit Shelter Design Project Update
ITEM#: 7

PURPOSE: To provide an update on the Transit Shelter Design Project, including proposed schedule, outreach and design process.

RECOMMENDATION OR DIRECTION REQUESTED:
Discussion and feedback on conceptual designs and process.

CITY COUNCIL STRATEGIC PRIORITY:
Quality of Life 3.26 Achieve a multimodal transportation system (20-minute city) where residents can walk, bicycle, or use public transit to meet all basic daily, non-work needs.

Quality of Life 3.29 Achieve ratings of “Very Satisfied” or “Satisfied” with the “Overall Satisfaction with Transit System in Tempe” greater than or equal to 80% as measured by the City of Tempe Transit Survey.

BACKGROUND INFORMATION:

HISTORY

Tempe Transit has invested in expansions of bus, rail, and neighborhood circulator service since the passage of the 1996 Tempe Transit Tax. Today, the city has the highest ridership per capita in the state of Arizona. As part of the strong transit service system, having comfortable and accessible shelters for transit riders is critical to attracting and retaining users of the system. Tempe’s transit system is supported by over 800 transit stops, 40 percent of which have shelters. The existing shelters were designed in the 1990’s and, while functional and part of the transit brand for Tempe, they are limited in their architectural compatibility with contemporary architecture and have somewhat restricted adaptability in some of the more urban and/or constrained spaces in Tempe.

NEW TRANSIT SHELTER DESIGNS

The City of Tempe is developing a new transit shelter design as an addition to the current prototype shelter. The goal is to have shade at every stop, whether it is from a shelter, tree or adjacent building. The new shelter designs will enhance more transit stops city wide, focusing on passenger comfort and visibility while incorporating sustainable strategies and materials. The new designs will encourage increased ridership and provide a new iconic Tempe identity.

It is important that the new design maximizes shade for patrons that is appropriate to the solar orientation of sites. Early morning and late afternoon sun during summer months is particularly challenging. The design should be adaptable to compact sites, as well as the typical ROW sites. Importantly, the shelters should be sustainably designed, with consideration given to climate, materials, longevity, recycled content, recyclability and life cycle of products and manufacturing.

Most of the unshaded locations have challenging site conditions, making it difficult to install the current design in the existing Right of Way. At least 3 different size options will be developed to accommodate a variety of sites and ridership capacity.

Consultants on the project are TYLIN International, J2 Engineering and Environmental Design, and Lee Engineering.

STEERING COMMITTEE

In order to diversify our fact-gathering, a Steering Committee was established to inform the consultants and staff from a variety of experiences: bus patrons, bus drivers, students, sustainability experts, transit agencies (Metro, ASU), planners, designers and residents. The first committee meeting was held on August 14, with good discussion about member experiences, the Tempe Transit and Metro services, and new ideas. The second Steering Committee meeting, on November 12, included review of the initial 9 concept sketches and public input, with recommendation to further develop 3 of the designs.

PROJECT STATUS

August 2019: Initiate project; Research; Steering Committee Meeting #1
Sept.–Nov.: Public Meetings; Develop 9 initial concept sketches; Steering Committee Meeting #2
Dec.–Feb 2020: Outreach to user groups and commissions; Develop 3 recommended alternatives; Public Meetings; Selection of a Preferred Alternative
March–April: Develop recommended design (with 3 size alternatives); Presentation to Council IRS
April - June: Engineering plan development
Summer 2020: Prototype fabrication; finalization of plans & details
Late Fall 2020: Begin installation in accordance with Budget & Prioritization Plan

PUBLIC MEETINGS

Initial public meetings held on Sept. 21 and 25, 2019, included user experiences and identification of key attributes for the shelter designs. Upcoming public meetings to gather input on the design options are scheduled for 2020:

- Saturday, Jan. 18 from 9-11 a.m. Tempe Transportation Center, Don Cassano Room, 200 E. Fifth St.
- Tuesday, Jan. 21 from 6-8 p.m. Pyle Adult Recreation Center, 655 E. Southern Ave.

Surveys are available at public meetings and online, from Jan. 18 to Feb. 18, 2020.

FISCAL IMPACT or IMPACT TO CURRENT RESOURCES:

Funding for shelter designs, fabrication and installations are through the annual bus stop improvements funding portion of the Tempe Transit Tax.

ATTACHMENTS:

None

MEMORANDUM

TO: Tempe Transportation Commission
FROM: Shelly Seyler, Deputy Engineering & Transportation Director, 350-8854
DATE: January 14, 2020
SUBJECT: Future Agenda Items
ITEM #: 9



PURPOSE:

The Chair will request future agenda items from the Commission members.

RECOMMENDATION OR DIRECTION REQUESTED:

This item is for information only.

CITY COUNCIL STRATEGIC PRIORITY:

- N/a

BACKGROUND INFORMATION:

The following future agenda items have been previously identified by the Commission or staff:

- February 11
 - Art for I-10 Alameda/Baseline Ped Bridges
 - ADOT Broadway Curve Project
 - ASU's ADA Program
 - Eastline project
- March 10 or possibly move to March 17 due to Spring break
 - Transit Shelter Design
 - Orbit Earth
 - Tempe/Mesa Streetcar Extension Feasibility Study
 - Speed Limits
 - Country Club Way Streetscape
 - Paratransit Update
- April 14
 - Paid Media Plan
 - Priest Drive Bike Lanes
 - Ash and University Intersection
 - Entitled and Proposed Development Projects
- May 12
 - Bike Hero
 - MAG Design Assistance Grants
 - Capital Improvements Project Update
 - Transit System and Security Update
 - Planned or Potential Vertical Barriers for Bike Lanes
- June 9
- July 14
- August 11
 - Priest Drive Bike Lanes
 - Country Club Way Streetscape
- September 8
 - Scottsdale Road Bike Lanes
- October 13
- November 10
- December 8
- TBD: Starship
- TBD: Micromobility Update

- TBD: North/South Rail Spur MUP
- TBD: Prop 400E
- TBD: Red Light Cameras/Speed Enforcement

FISCAL IMPACT or IMPACT TO CURRENT RESOURCES: N/a

ATTACHMENTS: None