

City of San Diego FIRE-RESCUE DEVELOPMENT IMPACT FEE NEXUS STUDY

Prepared for



Prepared by

EFS ENGINEERING, INC.

In association with



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Introduction

Purpose

The purpose of this Nexus Study is to document and summarize information supporting the development and implementation of an impact fee program to fund fire and rescue facilities needed to accommodate growth in the City of San Diego (City). The proposed “Fire-Rescue Development Impact Fee” (Fire-Rescue DIF) will be used to fund a variety of fire and emergency response capital improvements to accommodate future growth, in a manner consistent with goals and policies set forth in the *City of San Diego General Plan* (General Plan).

Background

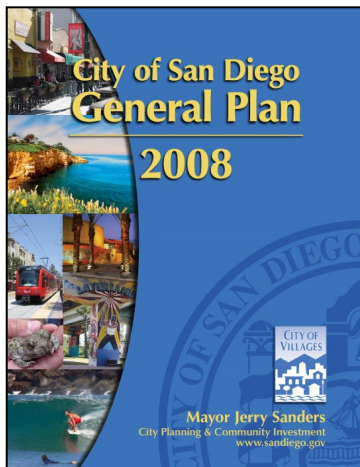
The following section provides a brief summary of local codes, plans, technical reports, and legislative actions relevant to the development of the proposed Fire-Rescue DIF.

San Diego Municipal Code

In furtherance of City policies related to the maintenance of an effective facilities financing program, the City Council approved *San Diego Municipal Code* (SDMC) §142.0640 (under Ordinance O-18451 N.S., adopted on December 9, 1997) that set forth certain requirements to ensure the impact of new development is mitigated through payment of appropriate fees.

City of San Diego General Plan

The General Plan was adopted on March 10, 2008 by City Council Resolution R-303473. Portions of the General Plan have been updated over the years. The General Plan’s *Public Facilities, Services and Safety Element* (updated June 15, 2018) calls for the implementation of financing strategies to address existing and future public facility needs citywide, including specific goals, policies and standards for fire-rescue services.





Citygate Reports

The City retained Citygate Associates, LLC (Citygate) to perform a Standards of Response Coverage review for the Fire-Rescue Department. The study (dated February 22, 2017) evaluated the adequacy of the current fire station resource deployment system, the risks to be protected and the emergency incident outcomes desired by the community. Citygate was also engaged to study and assess Fire-Rescue’s Metro Zone Emergency Command & Data Center functions and facilities as they relate to performance and readiness, when compared to best practices within the industry.

Assembly Bill 602 (Grayson, 2021)

On September 28, 2021, Governor Newsom signed Assembly Bill 602 (AB 602). AB 602 sets forth several new substantive and procedural requirements for impact fee studies adopted on or after January 1, 2022, and additional provisions applicable to nexus studies adopted after July 1, 2022.

Build Better SD Initiative

Build Better SD is a citywide initiative to support the City’s equity, access, conservation and sustainability goals. The initiative prioritizes the delivery of safe and enjoyable parks; secure and convenient spaces to gather, interact, bike, walk and roll; and immersive and interactive libraries. Among other things, *Build Better SD* will:

- ◆ Align the City’s General Plan with new policies that will prioritize investments in areas with the greatest needs and create opportunities to gather valuable community input. This will ensure public spaces and facilities truly meet the needs of those they are intended to serve and can be delivered to more people more quickly.
- ◆ Amend the SDMC to implement these new policies that promote more investments in public spaces for all the people that live, work and play in the City.



- ◆ Improve the Regional Transportation Congestion Improvement Program (RTCIP) to align with the City's vision to create neighborhoods where people can safely and enjoyably bike, walk, roll or take transit, and to produce housing units of all sizes.
- ◆ Update Development Impact Fee structure to streamline public investments and further equitable policies, with an emphasis on prioritizing investment in neighborhoods with the greatest needs and delivering more infrastructure to more people, more quickly.

Statutory Framework

Local agencies may charge development impact fees pursuant to the *Mitigation Fee Act* (California Government Code §66000 et seq.) to finance the cost of public facilities or services needed to serve or mitigate the effects of development. A development impact fee is a monetary exaction, not a property-related tax or special assessment within the meaning of *Proposition 218* (California Constitution, Article XIII). Impact fees are a commonly-used and well-accepted means of mitigating the impacts created by future growth. Public agencies regularly levy impact fees on new development to fund a variety of public facilities, including roads, fire-rescue, sewer and water facilities, libraries, parks, and schools.

The proposed Fire-Rescue DIF has been developed and will be implemented in accordance with the *Mitigation Fee Act*. Prior to establishing, increasing, or imposing an impact fee, the *Mitigation Fee Act* requires the local agency to make the following findings:

- ◆ Identify the purpose of the fee (Government Code §66001(a)(1));
- ◆ Identify the use for the fee and the facilities to be built (Government Code §66001(a)(2));
- ◆ Determine a reasonable relationship between the fee's use and the type of development project on which the fee is imposed (Government Code §66001(a)(3));

- ◆ Determine a reasonable relationship between the need for the public facility and the type of development project (Government Code §66001(a)(4)); and
- ◆ Determine a reasonable relationship between the amount of the fee and the cost of the facility attributable to development (Government Code §66001(b)).

For purposes of the subject fee program, a statement of requisite findings is presented in the “Program Implementation” section of this report.

Fee Development Process

The remainder of this report summarizes the process by which the Fire-Rescue DIF was developed, as presented in the following sections:

- ◆ Impacts of Future Development
- ◆ Improvements to Reduce Impacts
- ◆ Fee Rate Calculation
- ◆ Program Implementation

Impacts of Future Development

Fire & Recue Mission Statement

In accordance with the General Plan, the Fire-Rescue Department's stated mission is "to serve the City by providing the highest level of emergency/rescue services, hazard prevention and safety education ensuring the protection of life, property and the environment. This includes the delivery of medical advanced life support services through a comprehensive first-responder paramedic system. The Fire-Rescue Department provides paramedics on first responder apparatus as well as ambulances."

Future Fire & Recue Needs

Future development (and associated growth in service population) within the City will cause increased demand for fire and rescue services. Without a corresponding investment in fire and rescue improvements, this increased demand will result in sub-standard service levels, inadequate coverage, and other service inequities. The proposed Fire-Rescue DIF will be used to fund fire and rescue improvements throughout the City in a manner consistent with the goals and policies set forth in the General Plan.

The General Plan acknowledges that "[b]uilding new or expanded fire and rescue facilities requires significant planning and coordination to address facility location, funding and the timing of development." In addition, "[t]he topography and terrain throughout the City presents considerable demands on fire-rescue services under various conditions and can also affect response times. Future infill development will place an increasing demand on the capabilities of fire-rescue resources to deliver an acceptable level of emergency service."

Fire & Rescue Standards

The General Plan's *Public Facilities, Services and Safety Element* sets forth the following goals for the Fire-Rescue Department:

- ◆ Protection of life, property, and environment by delivering the highest level of emergency and fire-rescue services, hazard prevention, and safety education
- ◆ Minimize fire hazards resulting from structural or wildland fires
- ◆ Manage fuel loads in wildland areas

The City Council adopted response time objectives as a framework to guide the Fire-Rescue Department's progress toward meeting the desired level of emergency service standards. This includes additional fire stations and service enhancements in underserved communities. The General Plan's *Public Facilities, Services and Safety Element* sets forth various policies, including standards for emergency response times. These standards are summarized in **Table 1**.

TABLE 1: Deployment Measures to Address Future Growth by Population Density per Square Mile

	>1,000- people/sq. mi.	1,000 to 500 people/sq. mi.	500 to 50 people/sq. mi. *	Permanent open space areas
1 st Due Travel Time	5 minutes	12 minutes	20 minutes	10 minutes
Total Reflex* Time	7.5 minutes	14.5 minutes	22.5 minutes	12.5 minutes
1 st Alarm Travel Time	8 minutes	16 minutes	24 minutes	15 minutes
1 st Alarm Total Reflex*	10.5 minutes	18.5 minutes	26.5 minutes	17.5 minutes

* Reflex time is the total time from receipt of a 9-1-1 call to arrival of the required number of emergency units.

SOURCE: Table PF-D.1, *City of San Diego General Plan: Public Facilities, Services and Safety Element* (June 15, 2018).

Recognizing that there are very few developable areas in the City with population densities less than 1,000 people per square mile, a 7.5 minute response time was determined to be a reasonable standard for purposes of this Nexus Study and associated technical analyses.

Improvements to Reduce Impacts

Standards-Based Program

In general, impact fee programs can be divided into one of two methodological categories, namely: (1) *Plan-based* programs, and (2) *Standards-based* programs. *Plan-based* programs are driven by a defined set of projects, whereas *standards-based* programs are focused on achieving a defined standard or level of service. Although both methodologies are equally valid, one may have certain advantages (or disadvantages) as compared to the other depending on the unique circumstances involved (e.g., type of improvements, state of current infrastructure, projected growth remaining, etc.).

The proposed Fire-Rescue DIF has been developed under a *standards-based* methodology, using the standards set forth in the General Plan. The benefits of using a *standards-based* methodology include:

- ◆ Greater flexibility to adapt to change
- ◆ Validity not tied to a static list of projects
- ◆ Citywide standard objectively measurable

Fire & Rescue Improvements

The fire and rescue improvements to be funded by the proposed Fire-Rescue DIF fall into two categories: (1) improvements needed to maintain the existing level of service, and (2) improvements and service enhancements needed to address current and projected underserved areas of the City. **Table 2** (on the following page) summarizes the types of improvements, and associated costs, used to develop the Fire-Rescue DIF.

TABLE 2: Summary of Improvements & Unit Costs

IMPROVEMENTS		UNIT COST
VEHICLES & EQUIPMENT	Aerial Truck	\$1,700,000 per unit
	Aircraft Crash Truck (City Airports)	\$1,500,000 per unit
	Battalion Chiefs Vehicle	\$210,000 per unit
	Brush Engine (Type III)	\$650,000 per unit
	Chemical Pickup Rig	\$150,000 per unit
	Communications & Command Van	\$1,600,000 per unit
	Environmental Response Team (ERT) Equipment	\$200,000 per unit
	Explosive Device Team Equipment & X-Ray Unit	\$1,500,000 per unit
	Fast Response Squad (FRS) Equipment	\$350,000 per unit
	Fire Engine	\$1,030,000 per unit
	Foam Tender	\$750,000 per unit
	HAZMAT Unit	\$1,500,000 per unit
	Lifeguard Vehicles	\$50,000 per unit
	Lifeguard Rescue Rig	\$750,000 per unit
	Light & Air Rig	\$750,000 per unit
	Mobile Canteen	\$150,000 per unit
	Shift Commander's Vehicle	\$210,000 per unit
US&R Rig	\$1,500,000 per unit	
Water Tender	\$350,000 per unit	
STATIONS	Fire Station – Standard (Building Cost)	\$1,327 per sq. ft.
	Fire Station – Standard (Land Cost)	\$4,651,849 per acre
	Fire Station – Battalion (Building Cost)	\$1,327 per sq. ft.
	Fire Station – Battalion (Land Cost)	\$4,651,849 per acre

SOURCE: See **Table 2** contained in *Fire-Rescue Development Impact Fee Program – Unit Cost Analysis* (prepared by Intersecting Metrics; March 16, 2022), included as **Appendix A**.

Fee Rate Calculation

Facilities Cost Analysis

The Fire-Rescue DIF unit cost analysis identifies the cost of existing improvements and future needed infrastructure within the City, and allocates those costs based on service population. The term “service population” refers to the population (residents and employees) within the City’s Fire-Rescue service area.

As previously stated, the improvements fall into two categories: (1) improvements needed to maintain the existing level of service, and (2) improvements and service enhancements needed to address current and projected underserved areas of the City. Each of these categories, and associated fee rates, are presented in this section.

Cost to Maintain Existing Level of Service

The cost to maintain the current level of service for fire and rescue services was derived from the existing improvements (and associated costs) currently in place and the City’s total service population. **Table 3** (on the following page) summarizes the fire and rescue improvements currently deployed within the City (as of May 12, 2021), corresponding total costs, and resultant cost per service population needed to maintain the current level of service.

Also shown in the table is population served per unit of each improvement (e.g., per vehicle/equipment, per square footage of station, and per acre of station land). These values are shown for information purposes only, but may prove useful to the City’s planning and/or phasing of improvements as the service population grows.

TABLE 3: Existing Improvements & Cost Per Service Population

	IMPROVEMENTS	UNIT COST	UNIT QUANTITY	TOTAL COST	POPULATION PER UNIT ¹
VEHICLES & EQUIPMENT	Aerial Truck	\$1,700,000 per unit	13	\$22,100,000	163,846
	Reserve Aerial Truck	\$1,700,000 per unit	7	\$11,900,000	304,286
	Aircraft Crash Truck (City Airports)	\$1,500,000 per unit	2	\$3,000,000	1,065,000
	Battalion Chief's Vehicle	\$210,000 per unit	7	\$1,470,000	304,286
	Reserve Battalion Chief's Vehicle	\$210,000 per unit	4	\$840,000	532,500
	Brush Engine (Type III)	\$650,000 per unit	11	\$7,150,000	193,636
	Chemical Pickup Rig	\$150,000 per unit	2	\$300,000	1,065,000
	Communications & Command Van	\$1,600,000 per unit	1	\$1,600,000	2,130,000
	Environmental Response Team (ERT) Equipment	\$200,000 per unit	1	\$200,000	2,130,000
	Explosive Device Team Equipment & X-Ray Unit	\$1,500,000 per unit	2	\$3,000,000	1,065,000
	Fast Response Squad (FRS) Equipment	\$350,000 per unit	2	\$700,000	1,065,000
	Fire Engine	\$1,030,000 per unit	50	\$51,500,000	42,600
	Reserve Fire Engine	\$1,030,000 per unit	32	\$32,960,000	66,563
	Foam Tender	\$750,000 per unit	1	\$750,000	2,130,000
	HAZMAT Unit	\$1,500,000 per unit	2	\$3,000,000	1,065,000
	Reserve HAZMAT Unit	\$1,500,000 per unit	1	\$1,500,000	2,130,000
	Lifeguard Vehicles	\$50,000 per unit	36	\$1,800,000	59,167
	Lifeguard Rescue Rig	\$750,000 per unit	1	\$750,000	2,130,000
	Light & Air Rig	\$750,000 per unit	2	\$1,500,000	1,065,000
	Mobile Canteen	\$150,000 per unit	1	\$150,000	2,130,000
	Shift Commander's Vehicle	\$210,000 per unit	1	\$210,000	2,130,000
	US&R Rig	\$1,500,000 per unit	2	\$3,000,000	1,065,000
Reserve US&R Rig	\$1,500,000 per unit	1	\$1,500,000	2,130,000	
Water Tender	\$350,000 per unit	2	\$700,000	1,065,000	
STATIONS	Fire Station – Standard (Building Cost)	\$1,327 per sq. ft.	280,195 sq. ft.	\$371,818,765	7.602
	Fire Station – Standard (Land Cost)	\$4,651,849 per acre	31 acres	\$144,207,319	68,710
	Fire Station – Battalion (Building Cost)	\$1,327 per sq. ft.	51,115 sq. ft.	\$67,829,472	41.671
	Fire Station – Battalion (Land Cost)	\$4,651,849 per acre	5 acres	\$23,259,245	426,000
TOTAL COST OF EXISTING IMPROVEMENTS				\$758,694,801	
EXISTING SERVICE POLULATION				2,130,000	
COST PER SERVICE POPULATION				\$356.19	

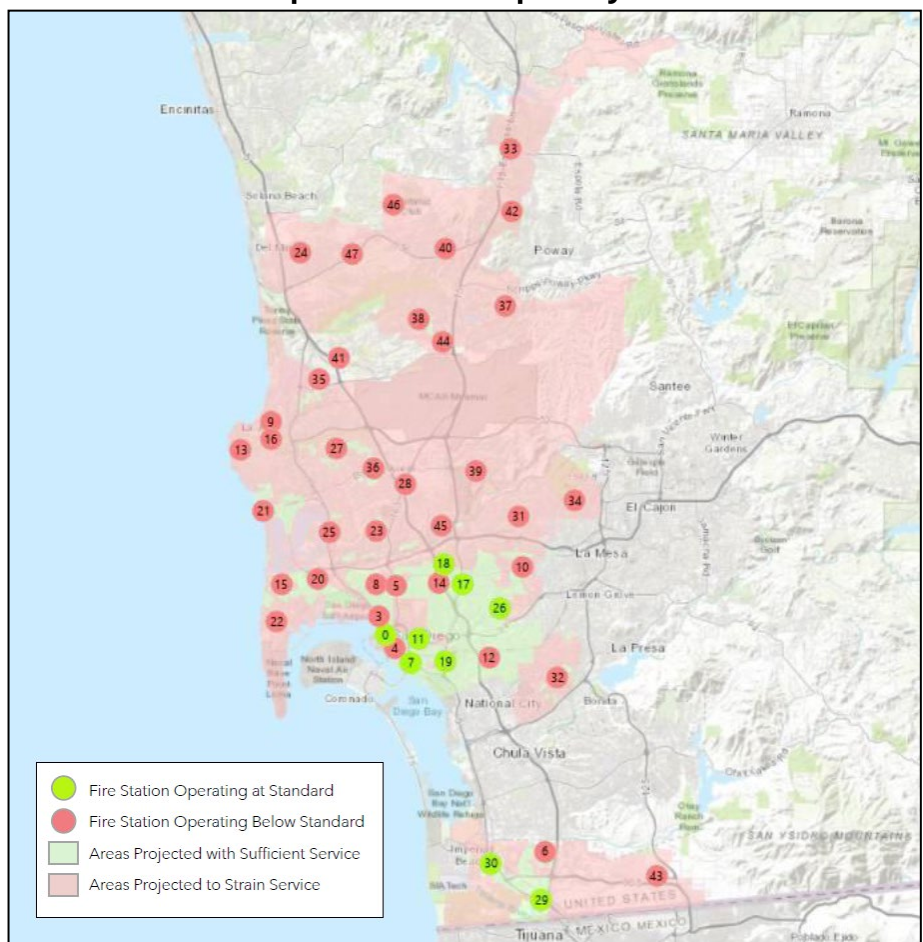
¹ Population served per unit of improvement.

SOURCE: See **Table 3** contained in *Fire-Rescue Development Impact Fee Program – Unit Cost Analysis* (prepared by Intersecting Metrics; March 16, 2022), included as **Appendix A**.

Cost to Enhance Current & Projected Underserved Areas

The City is required to provide sufficient public safety facilities and services to existing and future development. Spatial analyses were performed to isolate and identify areas of the City that experience sub-standard fire and rescue service or have the potential to experience sub-standard service with new development (based on a 7.5 minute response time standard). These analyses (performed at the “Census Block Group” level) and results are documented in *Fire-Rescue Development Impact Fee Program – Unit Cost Analysis* (prepared by Intersecting Metrics; March 16, 2021), incorporated herein by reference, and included as **Appendix A**. The results of the “Response Time Propensity Model” are graphically shown in **Figure 1** below.

FIGURE 1: Response Time Propensity Model Results



Fee Rate Calculation (continued)

The response time propensity model indicates that the areas shaded in red are projected to have (or contribute to) sub-standard response times, creating the need for additional improvements. An additional fee will be imposed on development occurring in these areas to help fund the additional improvements (or portions thereof) needed to serve the areas. As there is existing development in most of these areas, new development will only be responsible for a reasonable and proportionate “fair-share” (based on projected growth as a percent of total service population) of the cost of the new improvements. In other words, future growth will not be charged to alleviate existing deficiencies.

Table 4 below summarizes the future improvements needed, corresponding total costs, and resultant cost per service population applicable to the current and projected underserved areas.

TABLE 4: Future Improvements & Cost Per Service Population in Underserved Areas

IMPROVEMENTS		UNIT COST	UNIT QUANTITY	TOTAL COST
VEHICLES & EQUIPMENT	Battalion Chief’s Vehicle	\$210,000 per unit	3	\$630,000
	Fire Engine	\$1,030,000 per unit	10	\$10,300,000
STATIONS	Fire Station – Standard (Building Cost)	\$1,327 per sq. ft.	79,800 sq. ft.	\$105,894,600
	Fire Station – Standard (Land Cost)	\$4,651,849 per acre	5 acres	\$24,422,207
	Fire Station – Battalion (Building Cost)	\$1,327 per sq. ft.	39,906 sq. ft.	\$52,955,262
	Fire Station – Battalion (Land Cost)	\$4,651,849 per acre	3 acres	\$13,955,547
TOTAL COST OF FUTURE IMPROVEMENTS				\$208,157,616
TOTAL PROJECTED SERVICE POLULATION ¹ (at Build-Out)				1,865,000
COST PER SERVICE POPULATION				\$111.61
PERCENT OF TOTAL COST ^{1, 2} (attributed to future growth)				23.646%

¹ Limited to current and projected underserved areas only.

² Based on population growth as a percent of total projected service population.

SOURCE: See **Table 4** contained in *Fire-Rescue Development Impact Fee Program – Unit Cost Analysis* (prepared by Intersecting Metrics; March 16, 2022), included as **Appendix A**.

Maximum Allowable Fee Rates

This Nexus Study and accompanying technical analyses support a maximum allowable fee rate of \$356.19 per capita of service population citywide and an additional \$111.61 per capita of service population in current and projected underserved areas. These amounts assume that programmatic improvements will be implemented citywide and in underserved areas in a manner consistent with the goals, objectives and criteria set forth in the General Plan, Citygate reports, and relevant City policies. This assumption is both fair and reasonable, and is consistent with achieving overall program objectives in a fiscally prudent and cost-effective manner.

The fees applicable to residential and non-residential land uses should be calculated and implemented in a manner reflective of the corresponding service populations reasonably assigned to such land uses.

Annual Cost-Indexing

The unit costs contained in this report are based on a “Los Angeles Construction Cost Index” (LACCI) of 13,341.33 (*Engineering News Record*; March 2022). It is recommended that the fee rates be indexed annually in order to keep up with future increases in the cost of construction.

Program Implementation

Statement of Findings

The following information is provided to assist the City with satisfaction of the requisite statutory findings contained in §66001 of the *Mitigation Fee Act* with regard to implementation of the proposed Fire-Rescue DIF:

Purpose of the Fee. The purpose of the fee is to fund fire and rescue improvements needed to serve the additional population associated with new development in the City. This purpose is consistent with the goals and policies set forth in the General Plan and the requirements of SDMC §142.0640.

Use of the Fee. The fee will be used to fund fire and rescue improvements throughout the City in a manner consistent with the goals and policies set forth in the General Plan.

Reasonable Use (Benefit). Future development will require additional investments in fire and rescue facilities to maintain defined Citywide service levels. The fees would be used solely for this purpose, in a fiscally prudent and cost-effective manner, consistent with goals and policies set forth in the General Plan.

Reasonable Need (Burden). Future development will require additional investments in fire and rescue facilities to maintain defined Citywide service levels. As new development will necessitate the need for fire and rescue investments, the burdens posed are reasonably related to the use of the fee.

Reasonable Apportionment. The reasonable relationship between the fee for a specific project and the cost of improvements attributable to the project is described in this Nexus Study and is consistent with the defined standards-based planning criteria.

Capital Improvement Plan

With the passage of AB 602, beginning January 1, 2022, large jurisdictions (including the City) are required to adopt a capital improvement plan (CIP) as part of their nexus study (California Government Code §66016.5(a)(6)). Although this Nexus Study has been prepared using a standards-based approach, the collected fees will be used to fund, in whole or in part, City-defined CIP projects in a manner consistent with the improvement types, and relative proportions thereof, identified in this study. The Fire-Rescue component of the City's current CIP, updated annually, is incorporated herein by reference.

Periodic Reporting & Study Updates

Provisions set forth in §66001(c) and §66006(b)(1)) of the *Mitigation Fee Act* require that each agency imposing an impact fee make specific information available to the public annually within 180 days of the last day of the fiscal year. This information includes the following:

- ◆ A brief description of the type of fee in each account or fund;
- ◆ The amount of the fee;
- ◆ The beginning and ending balance of the account or fund;
- ◆ The amount of the fees collected and the interest earned;
- ◆ An identification of each public improvement on which fees were expended and the amount of the expenditures on each improvement, including the total percentage of the cost of the public improvement that was funded with fees;
- ◆ An identification of an approximate date by which the construction of the public improvement will commence if the City determines that sufficient funds have been collected to complete financing on an incomplete public improvement;
- ◆ A description of each interfund transfer or loan made from the account or fund, including the public improvement on which the transferred or loaned fees will be expended, and, in the case of an interfund loan, the date on which the loan will be

repaid, and the rate of interest that the account or fund will receive on the loan; and

- ◆ The amount of refunds made and any allocations of unexpended fees that are not refunded.

In addition, the provisions set forth in §66001(d) of the *Mitigation Fee Act* require that each agency imposing an impact fee make specific findings every five years following receipt of monies, to the extent that such monies are deposited and remain unspent.

With the passage of AB 602, beginning January 1, 2022, agencies are required to update their nexus studies at least every eight years (California Government Code §66016.5(a)(8)), and make certain information available on the City's internet website (California Government Code §65940.1(a)).

Other Considerations

Future Project Economics/Viability

The proposed fee will have an effect on future development. To the extent that the fee provides a mechanism by which development can mitigate, in whole or in part, their fire and rescue service impacts, projects could benefit by reduced processing times and project costs. Some projects could be adversely impacted by the proposed fee due to location, project type or other factors. An analysis of the economic implications of the proposed fee on a variety of project types and locations could provide additional insight as to project viability and the need for special considerations, if any.

Supplemental Funding

The Fire-Rescue DIF is intended to fund categorically identified facilities, or portions thereof, needed to mitigate, in whole or in part, fire and rescue service impacts created by future development in the City. Direct impact project mitigation measures and other revenue sources may also be used to

augment funding of these facilities. Sources of additional revenue may include, but are not limited to:

- ◆ General and special taxes (including property taxes, and other sales/use taxes)
- ◆ State and federal grant monies
- ◆ General fund
- ◆ FEMA and other emergency relief monies

The existence and availability of additional funding sources may help the City leverage their other infrastructure dollars. For example, grant programs often require a high level of difficult-to-find matching funds. Having a Fire-Rescue DIF demonstrates a committed plan of action for facility improvements and the revenues can provide a ready source for matching funds. Both of these factors can provide a competitive edge when vying for grants or other similar allocations.

Inter-Agency Coordination

Purchase, acquisition, or construction of eligible improvements may involve varying degrees of inter-agency coordination (e.g., shared assets, etc.). The financial aspects and timing of such activities deserves considerable attention and care.

APPENDICES

APPENDIX A

Fire-Rescue Development Impact Fee Program - Unit Cost Analysis



MEMORANDUM

To: Heidi Vonblum, City of San Diego
From: Stephen Cook, Intersecting Metrics
Date: March 16, 2022
Regarding: Fire-Rescue Development Impact Fee Program - Unit Cost Analysis

1.0 Introduction

The purpose of this memorandum is to establish the cost that can legally be imposed on new development, within the City of San Diego (City), to maintain the current level of Fire-Rescue services and negate any potential impacts such development may cause.

To capture and account for the potential impacts new development may have on the City's Fire-Rescue system, the Fire-Rescue Fee was developed with two separate components. The first component will help to fund the additional infrastructure and costs needed to maintain the level of service and capacity, that is currently being provided by the City, as its service population (total employees plus residents) continues to grow over time. This component is referred to as the Service Capacity Cost. The second component of the program will be imposed on new development located in areas that currently experience a sub-standard level of service or may create additional strain on the existing system as their area grows. This component will determine new developments fair-share responsibility towards implementing additional Fire-Rescue infrastructure to achieve the required level of service within these areas. This component is referred to as the Facility Expansion Cost.

1.1 Project Background

The City is currently in the process of updating its DIF Program. The biggest difference with the updated DIF Program (as compared to the previous program) is that fees and associated nexus studies, are proposed to be calculated, collected, and allocated based on asset class instead of by community. Deriving and implementing the DIF Program based on asset class allows the City to collect and allocate fees on a higher geographical level than by individual communities, which helps to better fund and implement citywide assets that are shared throughout the City. This methodology is also more closely aligned with the City's needs to provide assets which serve the entire City. This methodology also acknowledges that fire stations are part of an integrated network of fire response infrastructure throughout the City.

1.2 Purpose

San Diego Municipal Code §142.0640 provides for the imposition and administration of development impact fees. Development impact fee programs are generally established and utilized to provide new or expanded public capital infrastructure needed to serve future development. The fees are established based on a methodology and calculation derived from the cost of the public facilities needed and the nature and size of the proposed development, also known as establishing



a nexus. A "rational nexus" must be established between the fee and the needs created by future development and the benefits incurred by the development. The nexus identifies a fair-share cost (or unit cost) of the needed capital infrastructure that can be allocated to individual developments based on a standard metric (e.g., project square footage, generated vehicle miles traveled (VMT), population and/or projected employment). The fees collected through a DIF program cannot be used to improve or mitigate current needs or deficiencies, only those associated with future growth.

2.0 Standards

This section documents the standards and methods that were utilized to determine the fair-share cost that new development will need to contribute to maintain the current level of service for Fire-Rescue Services within the City, or to expand infrastructure in sub-standard areas to ensure that new development contributes a fair-share toward achieving the standard.

The following policies are included in the *City of San Diego's General Plan Public Facilities, Services & Safety Element* which pertain to the standard of Fire-Rescue Service and Infrastructure that should be provided within the City. Maintaining the level of service prescribed by these policies will serve as guidance for identifying the impacts that new development will have on the City's current Fire-Rescue infrastructure as well as the fair-share cost that new development will be responsible for to maintain the systems current level or service or achieve these levels in sub-standard areas. It should be noted that the language below is an abridged version of the policies contained in the City's General Plan. Relevant pages from the City's General Plan are provided in **Attachment 1**.

PF-D.1. Locate, staff, and equip fire stations to meet established response times as follows:

Table 1: Deployment Measures to Address Future Growth by Population Density per Square Mile

	>1000- people/sq. mi.	1000 to 500 people/sq. mi.	500 to 50 people/sq. mi.	Permanent Open Space Areas
1 st Due Travel Time	5.0 minutes	12.0 minutes	20.0 minutes	10.5 minutes
Total Reflex ¹ Time	7.5 minutes	14.5 minutes	22.5 minutes	12.5 minutes
1 st Alarm Travel Time	8.0 minutes	16.0 minutes	24.0 minutes	15.0 minutes
1 st Alarm Total Reflex ¹	10.5 minutes	18.5 minutes	26.5 minutes	17.5 minutes

Source: City of San Diego General Plan Public Facilities, Services & Safety Element

Note:

¹Reflex time is the total time from receipt of a 9-1-1 call to arrival of the required number of emergency units.

This policy sets the standard for the total time in which it takes Fire-Rescue services to respond to an emergency call. As shown in **Table 1**, the total response time (Reflex Time) for the required number of emergency units to arrive at the emergency response location, for areas where there are more than 1,000 people per square mile, is 7.5 minutes. There are only a limited number of developable areas within the City of San Diego with a population density less than 1,000 people per square mile. Therefore, a 7.5 minute response time was used as the universal standard for this program.

PF-D.2. Determine fire station needs, location, crew size and timing of implementation as the community grows.



As noted in Policy PF-D.2., the network of fire stations should expand as its population grows and its communities expand. The Fire-Rescue DIF serves a critical role in funding new infrastructure needed to accommodate the effects of future growth, consistent with maintaining standard levels of service.

PF-D.4. Provide adequate fire station site area (typical site is approximately 0.75 acre) and allow room for station expansion with additional considerations.

This policy sets the standard for the area of land required to build a new fire station. It is important that the Fire-Rescue DIF program accurately account for the costs to acquire the appropriate amount of land to construct new fire stations in areas of need.

PF-D.5. Maintain service levels to meet the demands of continued growth and development, tourism, and other events requiring fire-rescue services.

- a. Provide additional response units, and related capital improvements as necessary, whenever the yearly emergency incident volume of a single unit providing coverage for an area increases to the extent that availability of that unit for additional emergency responses and/or non-emergency training and maintenance activities is compromised. An excess of 2,500 responses annually requires analysis to determine the need for additional services or facilities.

As noted in the introductory section, the Fire-Rescue DIF will have two components: (1) the Service Capacity cost that funds facilities necessary to maintain current levels of Fire-Rescue services citywide, and (2) the Additional Infrastructure cost that funds facilities needed to serve new development in sub-standard areas to ensure that new development contributes a fair-share toward achieving the standard. This policy reinforces the need for the Service Capacity cost portion of the Fire-Rescue DIF program and the need to maintain the current and desired capacity and level of service provided as the City continues to grow.

PF-D.6. Provide public safety related facilities and services to assure that adequate levels of service are provided to existing and future development.

This policy reinforces the need to implement the Facilities Expansion component of the Fire-Rescue DIF program. As new development expands into areas that either provide sub-standard or limited Fire-Rescue services, due to their undeveloped nature, additional funding will be required to implement the facilities needed to service that new development to ensure acceptable levels of service.

PF-D.8. Invest in technological advances that enhance the City's ability to deliver emergency and fire-rescue services more efficiently and cost-effectively.

As noted in Policy PF-D.8., the City should continue to invest in emerging infrastructure which can more efficiently deliver Fire-Rescue services. This policy played a key factor in the decision to implement a standards based fee program instead of a planned based program. Using a standards-based approach allows the City to implement facilities in a flexible cost efficient manner,



while achieving the same standards outlined in the relevant City policies. A traditional plan-based program would not afford this same flexibility, as the technologies may not have been identified or developed at the time in which the plan was developed or adopted. Under this scenario, the plan and fee program would need to be amended before funds from the program could be invested on the identified technologies.

3.0 Service Capacity Cost

This section outlines the analyses and calculations utilized to develop the unit cost for the Service Capacity component of the fee program. As noted previously, the Service Capacity cost is intended to maintain the currently level of Fire-Rescue service throughout the City as new development occurs. This component of the fee program would be imposed on all applicable development within the City with the goal of increasing the overall capacity of the current system to accommodate these new needs.

3.1 Methodology

The unit cost to maintain the current Service Capacity for Fire-Rescue services was derived by first identifying the infrastructure, and its associated cost, that is currently in place within the City (Service) and then dividing that by the City’s total service population (Capacity), as shown below:

$$\frac{\textit{Existing Infrastructure Cost}}{\textit{Citywide Service Population}}$$

This method identifies the unit cost per employee or resident within the City to construct or implement the existing Fire-Rescue infrastructure. As new development occurs, and additional residents and employees come into the City, additional strain will be placed on the current Fire-Rescue infrastructure. As a result, the current infrastructure will need to be expanded to accommodate this new growth. Thus, this unit cost can be imposed on new development within the City to pay its fair-share to expand the current infrastructure and maintain current levels of service.

3.2 Maintaining the Existing Level of Service & Capacity

Table 2 outlines the Fire-Rescue infrastructure currently deployed within the City (as of May 12, 2021). Cost estimates for each infrastructure type are also provided in the table (Note: these are the costs for each individual piece of equipment, not the total for the City). The costs associated with the infrastructure and the number of units currently deployed within the City were provided by City of San Diego Fire Department staff. In accordance with the Mitigation Fee Act requirements, the funds generated through impact fee programs can only be used for infrastructure or capital facilities. Therefore, resources such as staff wages and expenses, on-going utility costs, and educational programs are not included within this program.



Table 2: Existing Fire-Rescue Infrastructure

Infrastructure	Existing Units	Individual Unit Cost
Aerial Truck	13	\$1,700,000
Reserve Aerial Truck	7	\$1,700,000
Aircraft Crash Truck (City Airports)	2	\$1,500,000
Battalion Chief's Vehicle	7	\$210,000
Reserve Chief's Vehicle	4	\$210,000
Brush Engine (Type III)	11	\$650,000
Chem Pickup Rig	2	\$150,000
Communications and Command Van	1	\$1,600,000
Environmental Response Team (ERT)	1	\$200,000
Explosive Device Team and X-Ray Unit	2	\$1,500,000
Fast Response Squad (FRS)	2	\$350,000
Fire Engine	50	\$1,030,000
Reserve Fire Engine	32	\$1,030,000
Foam Tender	1	\$750,000
HAZMAT Unit	2	\$1,500,000
Reserve HAZMAT Response	1	\$1,500,000
Lifeguard Vehicles	36	\$50,000
Lifeguard Rescue Rig	1	\$750,000
Light and Air Rig	2	\$750,000
Mobile Canteen	1	\$150,000
Shift Commander's Vehicle	1	\$210,000
US&R Rig	2	\$1,500,000
Reserve US&R	1	\$1,500,000
Water Tender	2	\$350,000
Fire Station - Standard	280,195 (SF)	\$1,327
Fire Station - Standard - Land	31 (Acres)	\$4,651,849
Fire Station - Battalion	51,115 (SF)	\$1,327
Fire Station - Battalion Land	5 (Acres)	\$4,651,849

Source: City of San Diego Fire Department, May 2021

3.3 Unit Cost Per Service Population

To identify the Fire-Rescue infrastructure unit cost per service population, the total number of units, currently deployed within the City, by infrastructure type, was divided by the current citywide service population (2,130,000 people). This results in the total number of people that are served by each unit of infrastructure. The total cost of the existing infrastructure was then divided by the total service population of the City to determine the cost per service population. **Table 3** outlines this calculation for each infrastructure type and sums the total unit cost, by service population, to provide the total current infrastructure within the City.



Table 3: Existing Fire-Rescue Apparatus and Facilities Cost Per Service Population

Apparatus	Existing Units	Cost	Total Cost	Units Per Service Population
Aerial Truck	13	\$1,700,000	\$22,100,000	163,846
Reserve Aerial Truck	7	\$1,700,000	\$11,900,000	304,286
Aircraft Crash Truck (City Airports)	2	\$1,500,000	\$3,000,000	1,065,000
Battalion Chief's Vehicle	7	\$210,000	\$1,470,000	304,286
Reserve Chief's Vehicle	4	\$210,000	\$840,000	532,500
Brush Engine (Type III)	11	\$650,000	\$7,150,000	193,636
Chem Pickup Rig	2	\$150,000	\$300,000	1,065,000
Communications and Command Van	1	\$1,600,000	\$1,600,000	2,130,000
Environmental Response Team (ERT)	1	\$200,000	\$200,000	2,130,000
Explosive Device Team and X-Ray Unit	2	\$1,500,000	\$3,000,000	1,065,000
Fast Response Squad (FRS)	2	\$350,000	\$700,000	1,065,000
Fire Engine	50	\$1,030,000	\$51,500,000	42,600
Reserve Fire Engine	32	\$1,030,000	\$32,960,000	66,563
Foam Tender	1	\$750,000	\$750,000	2,130,000
HAZMAT Unit	2	\$1,500,000	\$3,000,000	1,065,000
Reserve HAZMAT Response	1	\$1,500,000	\$1,500,000	2,130,000
Lifeguard Vehicles	36	\$50,000	\$1,800,000	59,167
Lifeguard Rescue Rig	1	\$750,000	\$750,000	2,130,000
Light and Air Rig	2	\$750,000	\$1,500,000	1,065,000
Mobile Canteen	1	\$150,000	\$150,000	2,130,000
Shift Commander's Vehicle	1	\$210,000	\$210,000	2,130,000
US&R Rig	2	\$1,500,000	\$3,000,000	1,065,000
Reserve US&R	1	\$1,500,000	\$1,500,000	2,130,000
Water Tender	2	\$350,000	\$700,000	1,065,000
Fire Station - Standard	280,195 (SF)	\$1,327	\$371,818,765	7.602
Fire Station - Standard - Land	31 (Acres)	\$4,651,849	\$144,207,319	68,710
Fire Station - Battalion	51,115 (SF)	\$1,327	\$67,829,472	41.671
Fire Station - Battalion Land	5 (Acres)	\$4,651,849	\$23,259,245	426,000
			Total Cost	\$758,694,801
			Existing Service Population	2,130,000
			Cost Per Service Population	\$356.19

As shown in **Table 3**, the total unit cost per person to maintain the current Fire-Rescue capacity and level of service within the City of San Diego is \$356.19 per person.

4.0 Facilities Expansion Cost

As identified in Policy PF-D.6., the City is required to provide public safety related facilities and services to assure that adequate levels of service are provided to existing and future development.



Based on this requirement, an additional component of the fee will be imposed on development occurring in areas with sub-standard or potentially sub-standard Fire-Rescue services. This additional component of the fee is needed to help fund the additional infrastructure needed to adequately service these areas. As there is existing development in most of these areas, new development will only be responsible for its fair-share portion of the cost of the new infrastructure that is required. New development will not be charged for alleviating existing deficiencies.

4.1 Deficient Areas Analysis

As noted in Policy PF-D.1., the standard for emergency response time is 7.5 minutes for all areas with a population density of 1,000 people per square mile. All fire service areas within the City of San Diego have a population density of over 1,000 people per square mile, with the exception of District 43, located in Otay Mesa (775 people per square mile). However, the population within this community is anticipated to more than double¹ over the next 30 years, ultimately resulting in a population density over 1,000 people per square mile. Therefore, since the anticipated new development within this area is anticipated to increase the population density to over 1,000 people per square mile within the lifetime of this program, the 7.5 minute response time standard was applied to this area as well.

To identify areas within the City that have either existing or future projected sub-standard response times, a statistical model was developed to identify the key factors that contribute to sub-standard response times. The statistical model regressed geographic, social and infrastructure data against the 90th percentile response times experienced for each fire station². The following components were initially included within the statistical model to identify if a correlation could be made in regard to response time:

- Station Size (Square Feet)
- Number of Dorm Rooms
- Bay Doors (Service Vehicle Capacity)
- District Service Area (Sq Miles)
- Annual Emergency Calls Received within the District
- District Service Population
- District Residential Population
- Service Population Density (Service Population Per Square Mile)
- Residential Population Density (Population Per Square Mile)
- Total Fire-Rescue Vehicles Stationed in the District
- Population Per Service Vehicle
- Emergency Calls Received Per Service Vehicle
- Population Per Emergency Calls Received

The data utilized in this analysis is provided in **Attachment 2**.

¹ Source SANDAG Series 13 Model: 2020 Otay Mesa population 27,715 people - 2050 population 61,477 people

² Due to the Covid-19 pandemic 2019 response time data was utilized in the analysis in lieu of year 2020 data, as it is thought to better reflect normal conditions.



Based on a hypothesis test, the following values were found to likely to be more meaningful additions to the model as a change in the predictor values are related to the changes of the observed response time (p-value):

- Station Size (Square Feet)
- Annual Emergency Calls Received within the District
- District Service Population
- Residential Population Density (Population Per Square Mile)
- Population Per Emergency Calls Received

These five factors were then run through a second regression analysis to develop a response time propensity model. Based on this analysis, the following equation was found to predict Fire-Rescue response times within the City:

$$\text{Response Time} = 9.79 - 7.13E^{-4} \cdot AC + 6.36E^{-5} \cdot SF + 2.46E^{-5} \cdot SP - 0.050 \cdot PC - 7.63E^{-5} \cdot PD$$

AC=Annual Emergency Calls Received

SF = Station Size (Square Feet)

SP = Service Population

PC = Population Per Emergency Calls Received

PD = Population Density

Regression analysis work sheets are provided in **Attachment 3**.

4.2 Identification of Deficient Areas

To identify the areas within the City that currently experience sub-standard Fire-Rescue service or have the potential to experience sub-standard service with new development, the Response Time Propensity Model was applied citywide at the Census Block Group level. This converts the average response time from a station level, as cataloged in the *Yearly Unit Statistics Data* (see **Attachment 2**), to an individual Census Block Group level. As a result, it also identifies the areas that could strain the existing infrastructure and could cause sub-standard service.

Figure 1 displays the results of the Response time Propensity Model. The areas highlighted in red within the figure are the Census Block Groups that are projected to have sub-standard response times and require additional infrastructure, based on the response time propensity model, outlined in Section 4.1. The sub-standard response areas comprise almost 4,000 acres of land, which is approximately 72% of the total City area. As such, the Facilities Expansion component would be imposed within these areas because these areas are anticipated to require additional fire infrastructure to ensure adequate response times beyond those areas of the City that currently meet the standards.

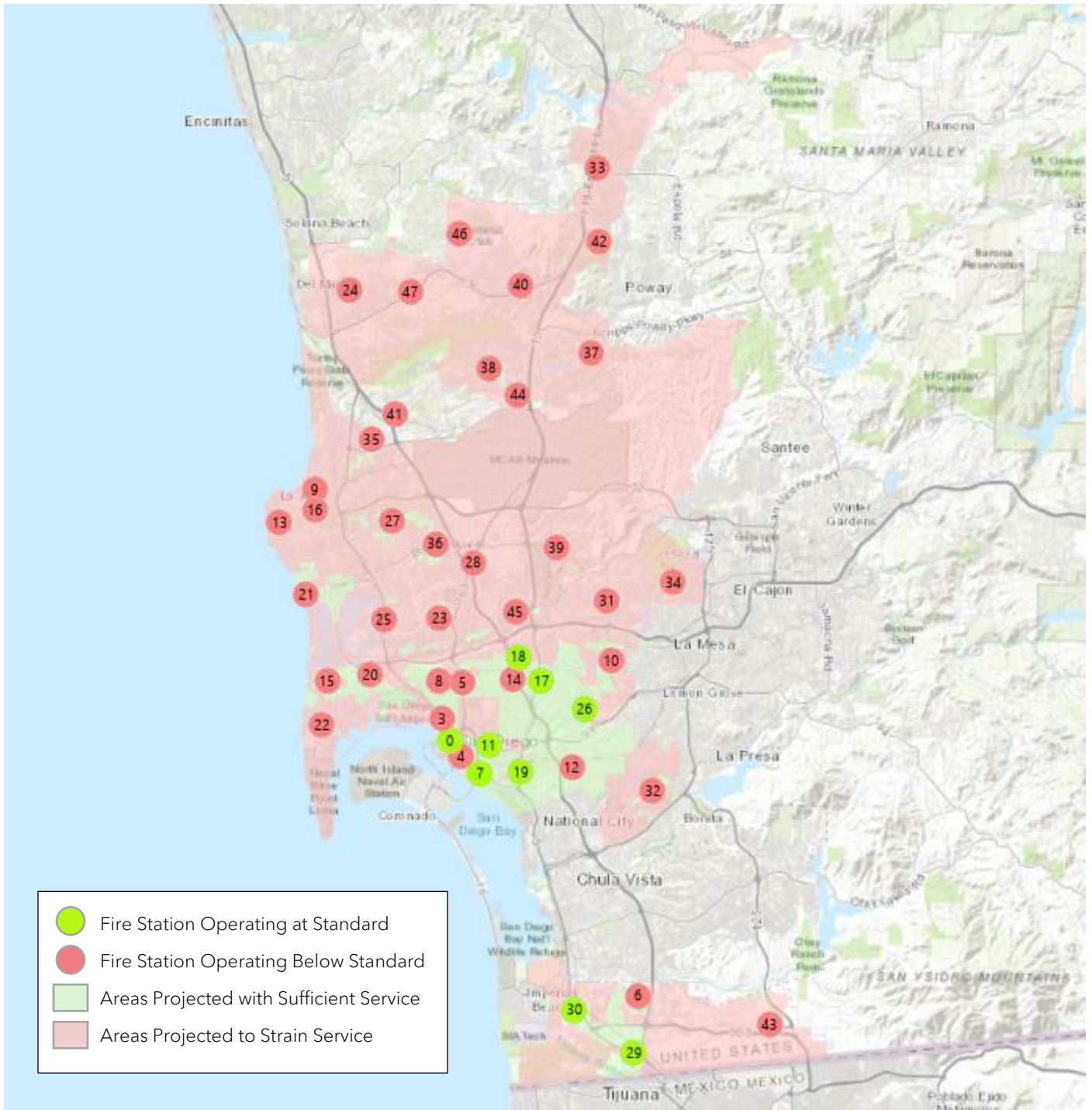


Figure 1 – Response Time Propensity Model



4.3 Needed Improvements

The City's Fire-Rescue system is evaluated by an independent entity approximately every five years. Citygate Associates, LLC performed the last review of the system in 2017. Citygate's review provided key findings of the City's fire station resource deployment system, the key risks that need to be protected, and the outcome of previous emergency incidents.

Several key findings were made in this report, with the following findings pertaining to the City's long-term Fire-Rescue infrastructure needs:

Finding #6: Even having grown over the years from five to seven Battalions, the northern and southern City station areas are not within 8 minutes travel times. It will take at least the addition of three more Battalion Supervisors per day to more completely cover the City. Adding these Battalion Supervisors also will increase the two-chief coverage on First Alarms.

Finding #11: If the City public road miles remain static, then Citygate would not recommend adding more than 10 infill gap fire stations to the present system. The remaining gaps are too small and, if necessary, could be covered with the use of Fast Response Squads or peak activity engine companies during daylight hours. Of course, any completely new growth areas could also be large enough to justify added fire stations in addition to the 10 infill gap stations identified.

Finding #16: Due to longer travel times, with the current quantity of fire stations, Fire-Rescue only has seven station areas performing better than the City's adopted Emergency Command and Data Center 9-1-1 call receipt-to-arrival time of 7:30 minutes/seconds. The station areas within the longer travel times also have the longest call receipt to arrival times.

All of the Citygate findings can be found on pages 9-12 of the *Standards of Response Cover Review* (prepared by Citygate Associates, LLC, February 2017), included as **Attachment 4**.

As noted in the Citygate findings, the City will need to expand its current Fire-Rescue infrastructure to include 10 additional fire stations, three of which should be Battalion Headquarters, to achieve adequate coverage in deficient areas. Therefore, the Facilities Expansion component of the fee program will use these findings as guidance for the future infrastructure that is needed and divide their cost among both existing and anticipated development within the identified deficient areas (as shown in **Figure 1**).

The current service population within the identified deficient areas is approximately 1,424,000 people. Based on the SANDAG Series 14 Year 2050 Model, the service population in these deficient areas is anticipated to increase to 1,865,000 people. This means that approximately 23.646% of the demand in these deficient areas would be associated with new growth $[(1,865,000 - 1,424,000) / 1,865,000]$. Therefore, new growth that is subject to the Facility Expansion component of the fee program should be responsible for 23.646% of the total estimated cost to implement the recommended infrastructure. **Table 4** outlines the cost for the recommended infrastructure as well



as the fair-share portion for new developments. Both Existing and Future Year 2050 Service Population data, by census block group, is provided in **Attachment 5**.

Table 4: Needed Fire-Rescue Apparatus and Facilities Expansion Cost Per Service Population

Additional Needs	Unit Cost	Units	Total Cost
Fire Engine	\$1,030,000	10	\$10,300,000
Battalion Chief's Vehicle	\$210,000	3	\$630,000
Fire Station - Standard (Square Feet)	\$1,327	79,800 (SF)	\$105,894,600
Fire Station - Standard - Land (Acre)	\$4,651,849	5 (Acres)	\$24,422,207
Fire Station - Battalion (Square Feet)	\$1,327	39,906 (SF)	\$52,955,262
Fire Station - Battalion Land (Acre)	\$4,651,849	3 (Acres)	\$13,955,546
Sub-Total			\$208,157,614
New Development Fair-Share (23.646%)			\$49,220,949
Cost Per New Service Population		441,000	\$111.61

5.0 Fees

As noted in Section 1.0, the Fire-Rescue Fee is comprised of two components. The first component, outlined in Section 3.0, is the Service Capacity Cost which will be imposed to maintain the current levels of Fire-Rescue Service and Capacity as the City's service population continues to grow. As outlined in Table 3, the cost of this component is calculated to be \$356.19 per member of the service population. This component would be imposed on all new development within the City, regardless of location.

As noted in Section 4.0, there are several locations within the City which current experience sub-standard Fire-Rescue services or were identified to put a strain on the system. Within these areas, an additional component of the fee will be imposed to provide the infrastructure needed to bring the level of service back to standard levels. New development within these areas will pay their fair-share of the infrastructure need to bring the system back to standard. The fair-share cost was calculated based on the anticipated growth in service population as compared to the existing service population within these areas, as displayed in Table 4. Based on this calculation new development within the red areas highlighted in Figure 1, can be imposed an additional \$111.61 on top of their Service and Capacity fee (\$356.19) for a total maximum allowable fee of \$467.81.



Attachment 1
City of San Diego General Plan Policy Excerpts



Policies

Fire Service & Infrastructure

PF-D.1. Locate, staff, and equip fire stations to meet established response times as follows:

- a) To treat medical patients and control small fires, the first-due unit should arrive within 7.5 minutes, 90 percent of the time from the receipt of the 911 call in fire dispatch. This equates to 1-minute dispatch time, 1.5 minutes company turnout time and 5 minutes drive time in the most populated areas.
- b) To provide an effective response force for serious emergencies, a multiple-unit response of at least 17 personnel should arrive within 10.5 minutes from the time of 911-call receipt in fire dispatch, 90 percent of the time.
 - This response is designed to confine fires near the room of origin, to stop wildland fires to under 3 acres when noticed promptly, and to treat up to 5 medical patients at once.
 - This equates to 1-minute dispatch time, 1.5 minutes company turnout time and 8 minutes drive time spacing for multiple units in the most populated areas.

TABLE PF-D.1 Deployment Measures To Address Future Growth by Population Density per Square Mile

	>1,000- people/sq. mi.	1,000 to 500 people/sq. mi.	500 to 50 people/sq. mi. *	Permanent open space areas
1 st Due Travel Time	5 minutes	12 minutes	20 minutes	10 minutes
Total Reflex* Time	7.5 minutes	14.5 minutes	22.5 minutes	12.5 minutes
1 st Alarm Travel Time	8 minutes	16 minutes	24 minutes	15 minutes
1 st Alarm Total Reflex*	10.5 minutes	18.5 minutes	26.5 minutes	17.5 minutes

*Reflex time is the total time from receipt of a 9-1-1 call to arrival of the required number of emergency units.

PF-D.2. Determine fire station needs, location, crew size and timing of implementation as the community grows.



- a) Use the fire unit development performance measures (based on population density per square mile) shown in Table PF-D.1 to plan for needed facilities. Where more than one square mile is not populated at similar densities, and/or a contiguous area with different density types aggregates into a population cluster area, use the measures provided in Table PF-D.2.
- b) Reflect needed fire-rescue facilities in community plans and associated facilities financing plans as a part of community plan updates and amendments.

TABLE PF-D.2 Deployment Measures To Address Future Growth by Population Clusters

Area	Aggregate Population	First-Due Unit Travel Time Goal
Metropolitan	> 200,000 people	4 minutes
Urban-Suburban	< 200,000 people	5 minutes
Rural	500 - 1,000 people	12 minutes
Remote	< 500	> 15 minutes

PF-D.3. Monitor, and maintain adopted service delivery objectives based on time standards for all fire, rescue, emergency response, and lifeguard services.

PF-D.4. Provide adequate fire station site area (typical site is approximately 0.75 acre) and allow room for station expansion with additional considerations:

- Consider the inclusion of fire station facilities in villages or development projects as an alternative method to the acreage guideline;
- Where density and development constrain site size consider a multi-story station;
- Acquire adjacent sites that would allow for station expansion as opportunities allow; and
- Gain greater utility of fire facilities by pursuing joint use opportunities such as community meeting rooms or collocating with police, libraries, or parks where appropriate.

PF-D.5. Maintain service levels to meet the demands of continued growth and development, tourism, and other events requiring fire-rescue services.

- a. Provide additional response units, and related capital improvements as necessary, whenever the yearly emergency incident volume of a single unit providing coverage for an area increases to the extent that availability of that



unit for additional emergency responses and/or non-emergency training and maintenance activities is compromised. An excess of 2,500 responses annually requires analysis to determine the need for additional services or facilities.

- PF-D.6. Provide public safety related facilities and services to assure that adequate levels of service are provided to existing and future development.
- PF-D.7. Evaluate fire-rescue infrastructure for adherence to public safety standards and sustainable development policies (see also Conservation Element, Section A).
- PF-D.8. Invest in technological advances that enhance the City's ability to deliver emergency and fire-rescue services more efficiently and cost-effectively.
- PF-D.9. Provide and maintain a training facility and program to ensure fire-rescue personnel are properly trained.
- PF-D.10. Buffer or incorporate design elements to minimize impacts from fire stations to adjacent sensitive land uses, when feasible.
- PF-D.11. Space oceanfront seasonal lifeguard towers every 1/10 of a mile or ten towers per mile.

Wildfire Planning

- PF-D.12. Protect communities from unreasonable risk of wildfire within very high fire hazard severity zones.
 - a. Assess site constraints when considering land use designations near wildlands to avoid or minimize wildfire hazards as part of a community plan update or amendment. (see also LU-C.2.a.4)
 - b. Identify building and site design methods or other methods to minimize damage if new structures are located in very high fire hazard severity zones on undeveloped land and when rebuilding after a fire.
 - c. Require ongoing brush management to minimize the risk of structural damage or loss due to wildfires.
 - d. Provide and maintain water supply systems to supplies for structural fire suppression.
 - e. Provide adequate fire protection. (see also PF-D.1 and PF-D.2)
- PF-D.13. Incorporate fire safe design into development within very high fire hazard severity zones to have fire-resistant building and site design, materials, and landscaping as part of the development review process.



- a. Locate, design and construct development to provide adequate defensibility and minimize the risk of structural loss from wildland fires.
- b. Design development on hillsides and canyons to reduce the increased risk of fires from topography features (i.e., steep slopes, ridge saddles).
- c. Minimize flammable vegetation and implement brush management best practices in accordance with the Land Development Code.
- d. Design and maintain public and private streets for adequate fire apparatus vehicles access (ingress and egress), and install visible street signs and necessary water supply and flow for structural fire suppression.
- e. Coordinate with the Fire-Rescue Department to provide and maintain adequate fire breaks where feasible or identify other methods to slow the movement of a wildfire in very high fire hazard severity zones.

PF-D.14. Implement brush management along City maintained roads in very high fire hazard severity zones adjacent to open space and canyon areas.

PF-D.15. Maintain access for fire apparatus vehicles along public streets in very high fire hazard severity zones for emergency equipment and evacuation.

PF-D.16. Provide wildland fire preparedness education for fire safety advance planning.

PF-D.17. Coordinate with local, state, and federal fire protection agencies with respect to fire suppression, rescue, mitigation, training and education.

PF-D.18. Coordinate with local, state, and federal agencies to update emergency, evacuation, and hazard mitigation plans, as necessary (also see section PF-P. Hazard Mitigation & Disaster Preparedness).

PF-D.19. Support city-wide emergency and disaster preparedness education programs. (Also see Section PF-P. Hazard Mitigation & Disaster Preparedness)

PF-D.20. Locate, when feasible, new essential public facilities outside of very high fire hazard severity zones, including but not limited to, hospitals and health care facilities, emergency shelters, emergency command centers, and emergency communication facilities, or identify construction methods or other methods to minimize damage if these facilities are located in very high fire hazard severity zones.

These policies are implemented through the General Plan Action Plan and the



Attachment 2
Response Time Propensity Model Source Data

Fire Station	#	Battalion	Battalion HQ	Calls	SQFT	Service Population	Pop/Calls	Pop Density	Time (Min)	Response Time (City Gate)
SD FS 01/201	1	1	No	7,608	30,840	50,797	1.566377497	15,278	6.09984	5.10
SD FS 03	3	1	No	3,053	3,226	14,086	2.550933508	3,477	7.5168	6.57
SD FS 04	4	1	No	3,053	7,120	31,442	3.459220439	16,002	7.5168	4.75
SD FS 05	5	2	Yes	4,543	10,732	54,023	5.486242571	6,050	7.68384	5.70
SD FS 06	6	6	No	2,317	2,429	30,784	12.13034096	5,748	7.86672	6.07
SD FS 07	7	1	No	4,853	3,645	22,459	2.329899032	6,612	6.0336	4.73
SD FS 08	8	2	No	3,843	3,272	32,983	3.717408275	5,371	7.63344	5.25
SD FS 09	9	5	No	1,656	6,486	13,187	5.131642512	1,800	9.51696	6.85
SD FS 10	10	4	No	3,556	7,347	52,480	11.26349831	9,165	7.61616	5.87
SD FS 11	11	1	No	3,858	8,900	32,952	6.784603421	9,184	6.94944	5.70
SD FS 12	12	6	Yes	5,023	11,333	41,317	7.230937687	5,159	7.60032	5.68
SD FS 13	13	5	No	1,519	2,410	20,656	7.790651745	4,772	8.44992	5.68
SD FS 14	14	2	No	4,168	7,129	40,293	8.233925144	10,758	7.63344	4.98
SD FS 15	15	3	No	2,567	2,970	30,628	9.770938839	10,811	7.91712	5.78
SD FS 16	16	5	No	932	2,944	9,799	9.055793991	2,446	9.80064	7.47
SD FS 17	17	4	No	5,643	10,757	73,129	11.53287259	16,270	6.73344	5.55
SD FS 18	18	2	No	2,481	6,736	28,697	10.07738815	8,390	7.48368	5.92
SD FS 19	19	6	No	3,660	4,340	47,093	10.68306011	9,874	7.21728	5.53
SD FS 20	20	3	No	4,153	6,934	35,632	2.956898627	2,670	8.48304	6.43
SD FS 21	21	3	No	3,578	6,480	55,786	12.04024595	10,585	7.884	5.80
SD FS 22	22	3	No	1,899	6,180	24,576	9.400210637	2,990	8.51616	6.35
SD FS 23	23	2	No	2,817	4,577	53,994	11.78878239	8,302	7.63344	6.15
SD FS 24	24	5	No	1,854	6,809	57,622	19.51402373	2,217	9.33264	7.83
SD FS 25	25	3	Yes	2,322	3,672	32,598	8.815245478	3,791	9.23328	6.98
SD FS 26	26	4	No	3,305	5,588	32,950	8.583358548	8,368	7.29936	5.60
SD FS 27	27	3	No	2,697	4,065	37,803	10.77790137	5,012	8.90064	6.90
SD FS 28	28	2	No	3,350	4,575	102,008	7.452835821	3,217	8.50032	6.52
SD FS 29	29	6	No	4,229	9,800	39,726	7.695909198	5,241	7.2	6.25
SD FS 30	30	6	No	2,780	3,696	39,666	12.73345324	3,627	7.23312	5.55
SD FS 31	31	4	No	1,809	8,825	24,084	11.4344942	3,283	8.16624	6.42
SD FS 32	32	6	No	2,340	3,913	43,565	17.85940171	5,647	7.80048	5.92
SD FS 33	33	7	No	2,782	3,929	54,574	12.94751977	1,416	8.56656	6.95
SD FS 34	34	4	No	1,225	3,310	24,375	17.98693878	1,730	7.69968	5.98
SD FS 35	35	5	Yes	4,270	6,318	116,136	11.43044496	4,312	9.98352	7.23
SD FS 36	36	2	No	2,770	3,936	41,063	9.838267148	5,123	8.23392	6.58
SD FS 37	37	7	No	1,051	8,400	35,036	29.05423406	2,707	9.51696	6.93
SD FS 38	38	7	No	2,075	3,075	51,740	23.34361446	6,416	7.86672	6.37
SD FS 39	39	4	No	1,756	2,410	49,076	15.73405467	2,594	9.25056	6.58
SD FS 40	40	7	No	1,737	7,004	58,880	27.6925734	3,468	8.71632	6.63
SD FS 41	41	5	No	1,396	7,226	67,992	5.214899713	714	10.34928	9.32
SD FS 42	42	7	No	1,819	5,100	36,016	13.64815833	3,819	8.66736	6.52
SD FS 43	43	6	No	983	9,924	8,146	1.86775178	175	9.96624	9.32
SD FS 44	44	7	Yes	1,898	9,430	48,220	13.92202318	4,016	9.66672	6.60
SD FS 45	45	4	Yes	2,917	16,290	51,166	8.447720261	5,757	9.16704	7.02
SD FS 46	46	7	No	430	9,805	8,709	16.52325581	967	8.93376	7.12
SD FS 47	47	5	No	766	10,500	6,254	7.254569191	1,884	9.75024	6.98



Attachment 3
Response Time Propensity Model Analysis Sheets

SUMMARY OUTPUT

<i>Regression Statistics</i>	
Multiple R	0.88336765
R Square	0.780338406
Adjusted R Square	0.752880707
Standard Error	0.51582428
Observations	46

ANOVA

	<i>df</i>	<i>SS</i>	<i>MS</i>	<i>F</i>	<i>Significance F</i>
Regression	5	37.80875734	7.561751468	28.4196574	3.54433E-12
Residual	40	10.64298752	0.266074688		
Total	45	48.45174486			

	<i>Coefficients</i>	<i>Standard Error</i>	<i>t Stat</i>	<i>P-value</i>	<i>Lower 95%</i>	<i>Upper 95%</i>	<i>Lower 95.0%</i>	<i>Upper 95.0%</i>
Intercept	9.791652973	0.28339421	34.55135148	2.0958E-31	9.218891908	10.36441404	9.218891908	10.36441404
Calls	-0.000713406	0.000101014	-7.0624622	1.5354E-08	-0.00091756	-0.000509249	-0.000917562	-0.000509249
SQFT	6.36421E-05	1.86551E-05	3.411512821	0.00148972	2.59387E-05	0.000101345	2.59387E-05	0.000101345
Service Population	2.46056E-05	4.46189E-06	5.514616916	2.2708E-06	1.55878E-05	3.36235E-05	1.55878E-05	3.36235E-05
Pop/Calls	-0.050772411	0.015911548	-3.19091578	0.00275879	-0.08293085	-0.018613972	-0.08293085	-0.018613972
Pop Density	-7.62879E-05	2.72228E-05	-2.8023503	0.00778364	-0.00013131	-2.12685E-05	-0.000131307	-2.12685E-05



Attachment 4
Standards of Response Cover Review

Citygate’s 2010 study identified 10 priority infill gaps fire stations. At present, four are in process of being sited and funded. Others are in preliminary research and development. If an additional six gap fire stations identified in the 2010 and 2017 update study were to be funded, then there would be 10 infill fire stations deployed in the identified 5-minute travel gaps on the existing road network. This quantity of 10 infill stations needed *is the same count* as in the 2010 study. Stated this way, San Diego is programming at present four of the 10 largest needed infill fire stations.

1.5 RISK ASSESSMENT SUMMARY

Citygate conducted an in-depth community risk assessment, found in *Part Two* of **Volume 2** of this study. The following list briefly summarizes Citygate’s evaluation of the values at risk and hazards likely to impact the City of San Diego:

- ◆ The City has a very diverse population, with densities ranging from less than 1,000 per square mile to more than 56,000 per square mile.
- ◆ The City’s population is projected to grow by 24% over the next 18 years to 2035, with similar projected growth in residential housing units, non-residential development, and employment.
- ◆ Approximately 23.35% of the City’s population is under 10 years of age or over 65 years of age, which are considered at-risk populations for most emergencies.
- ◆ Nearly 16% of the City’s population is below the federal poverty level for the previous 12 months, an increase of 1.7% since 2000.
- ◆ The City has 705 designated critical facilities/infrastructures to protect.
- ◆ The City has significant economic values at risk as identified in this assessment.
- ◆ A significant percentage of the City lies within a Very High Wildland Fire Hazard Severity Zone as identified by the California Department of Forestry and Fire Protection.
- ◆ Fire-Rescue has developed and implemented multiple mitigation measures to effectively reduce wildland fire impact severity within the City.
- ◆ The City’s overall risk for seven hazards related to emergency services provided by Fire-Rescue ranges from **LOW** to **MAXIMUM**.

1.6 FINDINGS AND RECOMMENDATIONS

Shown below are all findings and recommendations from **Volume 2—Technical Report**.

1.6.1 Findings

Standards of Cover Assessment Findings

- Finding #1:** The City Council has adopted a complete and best-practices-based deployment measure for fire and emergency medical services incidents. Adopting a similar set of specialty response measures would meet the best practice recommendations of the Commission on Fire Accreditation International.
- Finding #2:** Fire-Rescue follows best practices by using a standard response dispatching plan that considers the risk of different types of emergencies and pre-plans the response. Each type of call for service receives the combination of engine companies, truck companies, ambulances, specialty units, and command officers customarily needed to handle each type of incident based on experience.
- Finding #3:** Minimum apparatus staffing per unit on engine and ladder truck companies at four is a recognized best practice for the City’s size and risks.
- Finding #4:** Using the current 47 fire station locations, only the most-developed population density areas are within 5 minutes travel time of a fire engine. Traffic congestion has a marked negative impact on unit travel times in many fire station service areas.
- Finding #5:** Only some of City’s core areas are within 8 minutes travel time of an Effective Response Force assignment of four engines, one ladder truck, one ambulance, and two Battalion Chiefs, with *no traffic congestion*. During traffic congestion this coverage *only occurs* in sections of downtown and Mission Valley.
- Finding #6:** Even having grown over the years from five to seven Battalions, the northern and southern City station areas are not within 8 minutes travel time. It will take at least the addition of three more Battalion Supervisors per day to more completely cover the City. Adding these Battalion Supervisors also will increase the two-chief coverage on First Alarms.
- Finding #7:** The *single* ladder truck coverage is adequate for the current needs of the City but the coverage will have to be re-evaluated as new growth areas are added beyond the identified infill gap fire stations.

- Finding #8:** Completing the six station sites currently being programmed in the near term Capital Improvement Program will add significant new coverage at peak hours of the day.
- Finding #9:** If six of the largest gaps identified in the 2017 Citygate study were filled over time with a fire station and at least one fully-staffed engine, as funds allow, the total population receiving improved coverage would amount to 80,036 residents at current population levels. In the last year, these gaps experienced a total incident demand of 1,641.
- Finding #10:** If the currently programmed four infill gap fire stations plus the six largest gaps identified in the 2017 Citygate study (totaling ten) were added to the fire station system, Citywide 5-minute travel time coverage would improve from 74.7% to 80.6%.
- Finding #11:** If the City public road miles remain static, then Citygate would not recommend adding more than 10 infill gap fire stations to the present system. The remaining gaps are too small and, if necessary, could be covered with the use of Fast Response Squads or peak activity engine companies during daylight hours. Of course, any completely new growth areas could also be large enough to justify added fire stations in addition to the 10 infill gap stations identified.
- Finding #12:** The highest volume hours for incidents span from 9 am through 9 pm, and even later on Friday and Saturday. Given this, where additional units are needed for high workload volumes, they could be peak-hour units for 12 hours per day, 7 days per week.
- Finding #13:** National best practices as recommended by National Fire Protection Association Standard 1221 are for call processing to be 90 seconds, 90% of the time, and 120 seconds, 99% of the time. Fire-Rescue is substantially meeting this goal.
- Finding #14:** Fire-Rescue’s realistic goal for turnout time is 90 seconds to 90% of the emergent incidents. San Diego is just under this goal and is to be commended for its performance meeting a best-practices-based goal.
- Finding #15:** In the Report Year 15/16 measurement period, Fire-Rescue had a 90% travel time Citywide of 6:09 minutes/seconds. This travel time is 1:09 minutes longer than the City’s goal of 5:00 minutes. This travel time is fairly consistent across urbanized areas of the City, as only four station areas in San Diego were under a 5-minute travel time goal. To substantially reduce travel time, more fire stations are necessary.

- Finding #16:** Due to longer travel times, with the current quantity of fire stations, Fire-Rescue only has seven station areas performing better than the City’s adopted Emergency Command and Data Center 9-1-1 call receipt to arrival time of 7:30 minutes/seconds. The station areas with the longer travel times also have the longest call receipt to arrival times.
- Finding #17:** While some engines reach mid-20% Unit-Hour Utilization workloads, no engines approach a Citygate-recommended threshold of 30% hour after hour. At peak hours of the day, while many engines are busy responding to EMS events, adding flexibly deployed engines into gap areas would provide the greatest possible reduction to response times to neighborhoods the farthest from fire stations.
- Finding #18:** The busiest ladder trucks only approach 10% Unit-Hour Utilization workloads and at this time, relief or added ladder trucks are not necessary where there is already adequate ladder truck coverage.

Risk Assessment Findings

- Finding #19:** A significant percentage of the City lies within a ***Very High*** Wildland Fire Hazard Severity Zone as identified by the California Department of Forestry and Fire Protection (CAL FIRE).
- Finding #20:** The Draft 2015 San Diego County Multi-Jurisdictional Hazard Mitigation Plan identifies four actions to address wildland fire risk in the City of San Diego.
- Finding #21:** Fire-Rescue inspects more than 49,000 parcels within the City’s Very High Wildland Fire Hazard Severity Zones and Wildland Urban Interface areas to ensure that required defensible space is appropriately established and maintained.
- Finding #22:** Fire-Rescue has developed standardized Wildland Urban Interface pre-fire plans addressing management of wildland fires within targeted high-risk areas of the City.
- Finding #23:** Fire-Rescue is currently developing a Citywide Community Risk Assessment emphasizing “Sharing the Responsibility.” The program is aimed at enhancing wildland fire risk awareness in the City’s Wildland Urban Interface (WUI) by providing information on wildfire preparedness, “Ready, Set, Go”, defensible space, and structure hardening that can assist homeowners in reducing the impacts of a wildland fire.

Finding #24: The City has established appropriate emergency evacuation protocols, procedures, and resources in its Citywide Emergency Operations Plan, Police Department Procedures, and Fire-Rescue Procedures.

Finding #25: The City has established multiple effective concurrent methods to communicate emergency evacuation information to the public in a timely manner.

Finding #26: The City regularly utilizes, validates, and evaluates its emergency evacuation protocols, procedures, and resources to ensure ongoing emergency evacuation readiness and effectiveness.

1.6.2 Recommendations

Standards of Cover Assessment Recommendations

Recommendation #1: **Address Service Gaps by Adding Fire Stations and Resources:**

1.1 Identify the funding and timing to complete the current six fire stations in the City’s Capital Improvement Program budget.

1.2 Identify the sites for six infill fire stations to lower the Citywide travel time performance closer to 5 minutes in the most urbanized areas per the City’s adopted policy.

Recommendation #2: **Add Battalions:** In addition to the added fire stations, the City should eventually add at least three more geographic area Battalions.

Recommendation #3: **Add Peak-Hour Units:** Fire-Rescue needs to continue to add peak-hour, flexibly-deployed units, squads, and/or engines to support the busiest areas at peak hours of the day and to allow full-time crews to go off-line for training in rotation.

1.7 THE PATH AHEAD

If the City wants to provide the following three outcomes, the City will have to increase its deployment of fire crews by adding at least 10 key missing fire stations. The three outcomes are:

- ◆ Provide equitable response times to all similar risk neighborhoods.
- ◆ Provide for depth of response when multiple incidents occur.
- ◆ Provide for a concentration of response forces in the core for high-risk venues.



Attachment 5
Service Population Estimates

STATE	FPCOUNTY	FTRACT	CEBLKGR	PCE	NAMELSAD	pop	acres	Sq Miles	adj_ acre	popden (Acre	Popden (m2)	jobs	empden (Acre	empden (m2)	Service Pop	psden (Acre	psden (m2)
06	073	005200	2		Block Group 2	3,597	42.9	0.07	42.9	83.9	53,720.8	649	15.1	9,692.7	4,246	99.1	63,413.5
06	073	005300	4		Block Group 4	1,358	17.3	0.03	17.3	78.3	50,143.2	520	30.0	19,200.6	1,878	108.3	69,343.8
06	073	002707	4		Block Group 4	1,948	19.6	0.03	19.6	99.6	63,747.7	69	3.5	2,258.0	2,017	103.1	66,005.7
06	073	005600	1		Block Group 1	2,702	57.3	0.09	57.3	47.1	30,168.8	2,251	39.3	25,133.2	4,953	86.4	55,302.1
06	073	010110	4		Block Group 4	1,803	19.9	0.03	19.9	90.5	57,930.9	55	2.8	1,767.2	1,858	93.3	59,698.1
06	073	002708	3		Block Group 3	2,045	28.6	0.04	28.6	71.6	45,834.2	116	4.1	2,599.9	2,161	75.7	48,434.1
06	073	008363	2		Block Group 2	2,888	28.1	0.04	28.1	102.7	65,742.3	48	1.7	1,092.7	2,936	104.4	66,835.0
06	073	002302	1		Block Group 1	3,392	51.9	0.08	51.9	65.3	41,788.7	379	7.3	4,669.2	3,771	72.6	46,457.9
06	073	002707	1		Block Group 1	1,648	26.3	0.04	26.3	62.6	40,084.9	97	3.7	2,359.4	1,745	66.3	42,444.2
06	073	002202	2		Block Group 2	2,381	38.4	0.06	38.4	62.0	39,706.4	201	5.2	3,351.9	2,582	67.3	43,058.4
06	073	002302	2		Block Group 2	2,388	38.4	0.06	38.4	62.1	39,772.4	587	15.3	9,776.6	2,975	77.4	49,549.0
06	073	004900	1		Block Group 1	1,503	33.2	0.05	33.2	45.3	28,973.4	14	0.4	269.9	1,517	45.7	29,243.3
06	073	002202	1		Block Group 1	1,828	32.1	0.05	32.1	56.9	36,444.4	356	11.1	7,097.5	2,184	68.0	43,541.9
06	073	002402	1		Block Group 1	2,718	51.5	0.08	51.5	52.8	33,767.3	279	5.4	3,466.2	2,997	58.2	37,233.5
06	073	002708	4		Block Group 4	1,838	34.6	0.05	34.6	53.1	34,003.2	250	7.2	4,625.0	2,088	60.4	38,628.3
06	073	002707	2		Block Group 2	990	19.9	0.03	19.9	49.8	31,855.7	54	2.7	1,737.6	1,044	52.5	33,593.3
06	073	003303	1		Block Group 1	2,056	51.5	0.08	51.5	39.9	25,557.8	12	0.2	149.2	2,068	40.2	25,707.0
06	073	004100	1		Block Group 1	1,115	22.8	0.04	22.8	48.8	31,264.0	42	1.8	1,177.7	1,157	50.7	32,441.6
06	073	002201	2		Block Group 2	1,585	33.2	0.05	33.2	47.8	30,597.7	42	1.3	810.8	1,627	49.1	31,408.5
06	073	002301	2		Block Group 2	1,190	25.9	0.04	25.9	45.9	29,364.1	164	6.3	4,046.8	1,354	52.2	33,410.9
06	073	005300	3		Block Group 3	2,259	99.6	0.16	99.6	22.7	14,515.5	#####	186.4	119,323.6	20,829	209.1	133,839.0
06	073	002803	1		Block Group 1	1,838	40.7	0.06	40.7	45.1	28,881.8	231	5.7	3,629.9	2,069	50.8	32,511.7
06	073	004100	3		Block Group 3	2,249	48.2	0.08	48.2	46.7	29,873.2	78	1.6	1,036.1	2,327	48.3	30,909.3
06	073	010012	3		Block Group 3	1,410	30.9	0.05	30.9	45.7	29,238.0	134	4.3	2,778.6	1,544	50.0	32,016.7
06	073	001600	2		Block Group 2	1,662	37.1	0.06	37.1	44.7	28,639.3	101	2.7	1,740.4	1,763	47.5	30,379.8
06	073	005300	1		Block Group 1	977	49.1	0.08	49.1	19.9	12,747.3	#####	215.9	138,171.6	11,567	235.8	150,918.9
06	073	003304	1		Block Group 1	1,822	54.8	0.09	54.8	33.2	21,278.7	37	0.7	432.1	1,859	33.9	21,710.8
06	073	002707	3		Block Group 3	1,181	29.0	0.05	29.0	40.7	26,045.6	84	2.9	1,852.5	1,265	43.6	27,898.1
06	073	000900	3		Block Group 3	1,003	23.7	0.04	23.7	42.4	27,106.9	48	2.0	1,297.2	1,051	44.4	28,404.1
06	073	010012	2		Block Group 2	2,906	70.3	0.11	70.3	41.3	26,442.9	134	1.9	1,219.3	3,040	43.2	27,662.2
06	073	004900	3		Block Group 3	2,502	97.4	0.15	97.4	25.7	16,441.0	103	1.1	676.8	2,605	26.7	17,117.9
06	073	004501	1		Block Group 1	1,721	40.6	0.06	40.6	42.3	27,096.6	76	1.9	1,196.6	1,797	44.2	28,293.2
06	073	000800	4		Block Group 4	1,860	42.5	0.07	42.5	43.8	28,017.5	138	3.2	2,078.7	1,998	47.0	30,096.2
06	073	000300	4		Block Group 4	1,151	24.6	0.04	24.6	46.8	29,944.6	472	19.2	12,279.6	1,623	66.0	42,224.3
06	073	003111	1		Block Group 1	2,668	84.0	0.13	84.0	31.8	20,330.9	182	2.2	1,386.9	2,850	33.9	21,717.8
06	073	003305	2		Block Group 2	2,465	80.5	0.13	80.5	30.6	19,605.9	154	1.9	1,224.9	2,619	32.5	20,830.7
06	073	002301	1		Block Group 1	1,107	29.2	0.05	29.2	37.9	24,260.5	83	2.8	1,819.0	1,190	40.7	26,079.4
06	073	001300	5		Block Group 5	1,217	29.8	0.05	29.8	40.8	26,110.6	143	4.8	3,068.0	1,360	45.6	29,178.7
06	073	001300	3		Block Group 3	1,403	35.7	0.06	35.7	39.3	25,179.6	37	1.0	664.0	1,440	40.4	25,843.6
06	073	002709	1		Block Group 1	2,433	67.1	0.10	67.1	36.3	23,210.5	111	1.7	1,058.9	2,544	37.9	24,269.4
06	073	004900	2		Block Group 2	1,386	61.1	0.10	61.1	22.7	14,516.3	82	1.3	858.8	1,468	24.0	15,375.1
06	073	002401	2		Block Group 2	1,823	47.4	0.07	47.4	38.4	24,598.6	58	1.2	782.6	1,881	39.7	25,381.2
06	073	005100	1		Block Group 1	1,518	56.0	0.09	56.0	27.1	17,348.8	1,063	19.0	12,148.8	2,581	46.1	29,497.6
06	073	001600	1		Block Group 1	1,931	49.9	0.08	49.9	38.7	24,769.5	149	3.0	1,911.3	2,080	41.7	26,880.7
06	073	004800	1		Block Group 1	1,362	34.9	0.05	34.9	39.0	24,957.0	148	4.2	2,711.9	1,510	43.2	27,668.9
06	073	002302	3		Block Group 3	1,453	40.3	0.06	40.3	36.1	23,074.5	184	4.6	2,922.0	1,637	40.6	25,996.5
06	073	003303	2		Block Group 2	2,791	101.4	0.16	101.4	27.5	17,615.0	69	0.7	435.5	2,860	28.2	18,050.5
06	073	008363	3		Block Group 3	1,419	19.6	0.03	19.6	72.3	46,261.1	203	10.3	6,618.0	1,622	82.6	52,879.1
06	073	002501	3		Block Group 3	1,763	51.1	0.08	51.1	34.5	22,065.4	62	1.2	776.0	1,825	35.7	22,841.4
06	073	002402	2		Block Group 2	2,494	72.7	0.11	72.7	34.3	21,941.0	188	2.6	1,653.9	2,682	36.9	23,594.9
06	073	000900	2		Block Group 2	879	23.7	0.04	23.7	37.1	23,720.3	79	3.3	2,131.9	958	40.4	25,852.2
06	073	000900	4		Block Group 4	714	18.3	0.03	18.3	39.0	24,990.5	84	4.6	2,940.1	798	43.6	27,930.6
06	073	000900	5		Block Group 5	691	18.3	0.03	18.3	37.8	24,215.0	14	0.8	490.6	705	38.6	24,705.6
06	073	007400	1		Block Group 1	1,073	20.8	0.03	20.3	53.0	32,972.5	70	3.5	2,151.0	1,143	54.9	35,123.5
06	073	002904	2		Block Group 2	3,682	74.8	0.12	74.8	49.2	31,500.0	153	2.0	1,308.9	3,835	51.3	32,808.9
06	073	002708	1		Block Group 1	1,389	40.9	0.06	40.9	34.0	21,729.2	152	3.7	2,377.9	1,541	37.7	24,107.0
06	073	001800	2		Block Group 2	1,838	35.7	0.06	35.7	51.5	32,946.5	220	6.2	3,943.5	2,058	57.6	36,890.0
06	073	003304	2		Block Group 2	2,408	90.7	0.14	90.7	26.5	16,985.2	472	5.2	3,329.3	2,880	31.7	20,314.5
06	073	001000	2		Block Group 2	1,486	41.4	0.06	41.4	35.9	22,992.0	31	0.7	479.6	1,517	36.7	23,471.6
06	073	008600	4		Block Group 4	1,949	34.3	0.05	34.3	56.9	36,419.1	97	2.8	1,812.5	2,046	59.7	38,231.7
06	073	001300	2		Block Group 2	1,787	47.7	0.07	47.7	37.5	23,997.7	716	15.0	9,615.2	2,503	52.5	33,612.9
06	073	004700	2		Block Group 2	1,066	53.0	0.08	53.0	20.1	12,882.6	330	6.2	3,988.0	1,396	26.4	16,870.6
06	073	010013	2		Block Group 2	3,340	100.0	0.16	100.0	33.4	21,378.4	363	3.6	2,323.5	3,703	37.0	23,701.8
06	073	008507	2		Block Group 2	1,517	30.2	0.05	30.2	50.2	32,106.1	28	0.9	592.6	1,545	51.1	32,698.7
06	073	002201	1		Block Group 1	1,773	55.2	0.09	55.2	32.1	20,573.1	423	7.7	4,908.3	2,196	39.8	25,481.5
06	073	001200	3		Block Group 3	1,740	36.3	0.06	36.3	47.9	30,647.7	117	3.2	2,060.8	1,857	51.1	32,708.5
06	073	002601	1		Block Group 1	1,873	62.0	0.10	62.0	30.2	19,320.1	200	3.2	2,063.0	2,073	33.4	21,383.1
06	073	008359	2		Block Group 2	2,315	36.9	0.06	36.9	62.7	40,140.3	26	0.7	450.8	2,341	63.4	40,591.1
06	073	003101	3		Block Group 3	2,038	93.7	0.15	93.7	21.8	13,922.9	44	0.5	300.6	2,082	22.2	14,223.5
06	073	001700	1		Block Group 1	1,788	38.1	0.06	38.1	47.0	30,069.4	92	2.4	1,547.2	1,880	49.4	31,616.6
06	073	002803	2		Block Group 2	1,603	56.1	0.09	56.1	28.6	18,294.7	24	0.4	273.9	1,627	29.0	18,568.6
06	073	002601	2		Block Group 2	2,501	82.1	0.13	82.1	30.5	19,489.8	454	5.5	3,537.9	2,955	36.0	23,027.7
06	073	004800	2		Block Group 2												

STATE	FPCOUNTY	FTRACT	CBLK	GRPCE	NAMESAD	pop	acres	Sq Miles	adj_ acre	popden (Acre	Popden (m2	jobs	empden (Acre	empden (m2	Service Pop	psden (Acre	spden (m2)
06	073	010112	2		Block Group 2	2,344	50.8	0.08	50.8	46.2	29,538.7	51	1.0	642.7	2,395	47.2	30,181.4
06	073	004600	1		Block Group 1	1,476	48.4	0.08	48.4	30.5	19,533.6	94	1.9	1,244.0	1,570	32.5	20,777.6
06	073	010005	4		Block Group 4	1,243	43.1	0.07	43.1	28.8	18,461.7	140	3.2	2,079.4	1,383	32.1	20,541.0
06	073	002602	3		Block Group 3	1,638	63.8	0.10	63.8	25.7	16,434.5	17	0.3	170.6	1,655	25.9	16,605.1
06	073	000800	1		Block Group 1	977	31.3	0.05	31.3	31.2	19,996.6	135	4.3	2,763.1	1,112	35.6	22,759.7
06	073	003305	3		Block Group 3	2,475	131.1	0.20	131.1	18.9	12,085.6	219	1.7	1,069.4	2,694	20.6	13,155.0
06	073	003113	2		Block Group 2	2,899	161.4	0.25	161.4	18.0	11,498.9	88	0.5	349.1	2,987	18.5	11,848.0
06	073	003502	3		Block Group 3	2,123	57.7	0.09	57.7	36.8	23,538.9	44	0.8	487.9	2,167	37.5	24,026.7
06	073	000500	3		Block Group 3	982	33.3	0.05	33.3	29.5	18,893.1	71	2.1	1,366.0	1,053	31.7	20,259.1
06	073	010109	2		Block Group 2	3,079	119.5	0.19	119.5	25.8	16,491.8	42	0.4	225.0	3,121	26.1	16,716.8
06	073	000900	1		Block Group 1	1,223	39.2	0.06	39.2	31.2	19,957.1	326	8.3	5,319.7	1,549	39.5	25,276.8
06	073	002602	2		Block Group 2	1,402	58.5	0.09	58.5	24.0	15,350.1	51	0.9	558.4	1,453	24.9	15,908.5
06	073	010005	3		Block Group 3	2,981	114.6	0.18	114.6	26.0	16,654.3	217	1.9	1,212.3	3,198	27.9	17,866.7
06	073	001200	1		Block Group 1	1,779	42.9	0.07	42.9	41.5	26,536.7	56	1.3	835.3	1,835	42.8	27,372.0
06	073	003111	3		Block Group 3	2,537	155.9	0.24	155.9	16.3	10,414.8	35	0.2	143.7	2,572	16.5	10,558.4
06	073	002401	1		Block Group 1	1,458	52.0	0.08	52.0	28.0	17,949.4	283	5.4	3,484.0	1,741	33.5	21,433.4
06	073	002202	3		Block Group 3	1,264	49.8	0.08	49.8	25.4	16,233.3	271	5.4	3,480.4	1,535	30.8	19,713.7
06	073	002601	3		Block Group 3	1,446	62.2	0.10	62.2	23.3	14,881.9	55	0.9	566.0	1,501	24.1	15,448.0
06	073	003603	2		Block Group 2	911	57.0	0.09	57.0	16.0	10,223.7	29	0.5	325.5	940	16.5	10,549.2
06	073	003301	1		Block Group 1	2,024	112.8	0.18	112.8	17.9	11,485.8	437	3.9	2,479.9	2,461	21.8	13,965.7
06	073	002401	3		Block Group 3	1,583	62.2	0.10	62.2	25.5	16,297.6	51	0.8	525.1	1,634	26.3	16,822.7
06	073	006802	2		Block Group 2	2,000	73.6	0.12	73.6	27.2	17,387.3	870	11.8	7,563.5	2,870	39.0	24,950.8
06	073	005700	2		Block Group 2	1,131	33.2	0.05	33.2	34.0	21,778.4	1,402	42.2	26,996.8	2,533	76.2	48,775.2
06	073	006802	3		Block Group 3	1,743	73.6	0.11	61.6	28.3	15,166.0	150	2.4	1,305.2	1,893	25.7	16,471.2
06	073	001000	3		Block Group 3	1,125	41.6	0.06	41.6	27.1	17,324.4	67	1.6	1,031.8	1,192	28.7	18,356.2
06	073	003112	1		Block Group 1	2,284	151.8	0.24	151.8	15.1	9,632.1	93	0.6	392.2	2,377	15.7	10,024.3
06	073	001600	4		Block Group 4	1,166	45.1	0.07	45.1	25.9	16,555.5	153	3.4	2,172.4	1,319	29.3	18,727.9
06	073	000800	3		Block Group 3	1,246	47.7	0.07	47.7	26.1	16,705.8	15	0.3	201.1	1,261	26.4	16,906.9
06	073	002100	5		Block Group 5	1,627	41.0	0.06	41.0	39.7	25,397.9	61	1.5	952.2	1,688	41.2	26,350.1
06	073	000800	2		Block Group 2	943	35.2	0.06	35.2	26.8	17,127.7	65	1.8	1,180.6	1,008	28.6	18,308.3
06	073	001400	3		Block Group 3	2,132	82.7	0.13	82.7	25.8	16,491.1	295	3.6	2,281.8	2,427	29.3	18,772.9
06	073	003603	1		Block Group 1	2,172	64.1	0.10	64.1	33.9	21,683.8	95	1.5	948.4	2,267	35.4	22,632.2
06	073	003101	1		Block Group 1	1,006	71.0	0.11	71.0	14.2	9,067.3	13	0.2	117.2	1,019	14.4	9,184.5
06	073	002100	3		Block Group 3	659	30.2	0.05	30.2	21.8	13,968.6	51	1.7	1,081.0	710	23.5	15,049.7
06	073	003403	3		Block Group 3	1,283	78.0	0.12	78.0	16.4	10,527.1	323	4.1	2,650.2	1,606	20.6	13,177.3
06	073	002710	1		Block Group 1	1,773	57.6	0.09	57.6	30.8	19,707.6	40	0.7	444.6	1,813	31.5	20,152.2
06	073	002709	2		Block Group 2	1,817	86.3	0.13	86.3	21.0	13,471.2	58	0.7	430.0	1,875	21.7	13,901.2
06	073	005100	2		Block Group 2	5,193	344.1	0.54	340.5	15.3	9,657.8	7,207	21.2	13,403.4	12,400	36.0	23,061.2
06	073	000700	2		Block Group 2	1,699	62.1	0.10	62.1	27.4	17,507.7	332	5.3	3,421.2	2,031	32.7	20,928.9
06	073	007908	2		Block Group 2	2,835	75.1	0.12	75.1	37.7	24,149.9	80	1.1	681.5	2,915	38.8	24,831.4
06	073	008800	4		Block Group 4	2,052	44.6	0.07	44.6	46.0	29,429.0	40	0.9	573.7	2,092	46.9	30,002.6
06	073	003111	2		Block Group 2	1,692	117.1	0.18	117.1	14.4	9,247.9	180	1.5	983.8	1,872	16.0	10,231.7
06	073	003004	2		Block Group 2	2,377	176.5	0.28	176.5	13.5	8,621.3	98	0.6	355.4	2,475	14.0	8,976.8
06	073	001300	4		Block Group 4	1,092	43.2	0.07	43.2	25.3	16,186.4	242	5.6	3,587.1	1,334	30.9	19,773.5
06	073	007701	3		Block Group 3	1,482	38.5	0.06	38.5	38.5	24,636.6	181	4.7	3,008.9	1,663	43.2	27,645.5
06	073	001500	1		Block Group 1	1,261	52.3	0.08	52.3	24.1	15,432.8	140	2.7	1,713.4	1,401	26.8	17,146.2
06	073	002502	2		Block Group 2	2,633	130.7	0.20	130.7	20.1	12,893.3	53	0.4	259.5	2,686	20.6	13,152.8
06	073	002602	1		Block Group 1	1,404	67.3	0.11	67.3	20.8	13,341.9	147	2.2	1,396.9	1,551	23.0	14,738.8
06	073	003101	2		Block Group 2	1,198	94.8	0.15	94.8	12.6	8,085.1	31	0.3	209.2	1,229	13.0	8,294.3
06	073	004000	3		Block Group 3	1,338	52.6	0.08	52.6	25.4	16,278.8	402	7.6	4,890.9	1,740	33.1	21,169.7
06	073	000700	3		Block Group 3	962	39.3	0.06	39.3	24.5	15,685.7	79	2.0	1,288.1	1,041	26.5	16,973.8
06	073	003001	2		Block Group 2	2,200	184.1	0.29	184.1	11.9	7,647.3	44	0.2	152.9	2,244	12.2	7,800.3
06	073	009603	1		Block Group 1	1,905	45.8	0.07	45.8	41.6	26,606.1	34	0.7	474.9	1,939	42.3	27,081.0
06	073	003404	1		Block Group 1	2,543	188.0	0.29	188.0	13.5	8,655.0	465	2.5	1,582.6	3,008	16.0	10,237.6
06	073	004501	2		Block Group 2	483	19.7	0.03	19.7	24.6	15,722.2	136	6.9	4,427.0	619	31.5	20,149.2
06	073	007903	1		Block Group 1	1,020	27.9	0.04	27.9	36.5	23,383.6	126	4.5	2,888.6	1,146	41.1	26,272.2
06	073	010013	1		Block Group 1	2,531	121.6	0.19	121.6	20.8	13,324.6	213	1.8	1,121.3	2,744	22.6	14,445.9
06	073	010005	1		Block Group 1	2,918	147.2	0.23	147.2	19.8	12,685.0	126	0.9	547.7	3,044	20.7	13,232.8
06	073	003901	3		Block Group 3	1,566	53.4	0.08	53.4	29.3	18,769.4	43	0.8	515.4	1,609	30.1	19,284.8
06	073	003404	2		Block Group 2	2,399	221.7	0.35	221.7	10.8	6,925.2	229	1.0	661.1	2,628	11.9	7,586.3
06	073	007907	1		Block Group 1	2,083	56.7	0.09	56.7	36.8	23,522.0	592	10.4	6,685.1	2,675	47.2	30,207.0
06	073	010009	2		Block Group 2	1,953	105.1	0.16	105.1	18.6	11,895.9	82	0.8	499.5	2,035	19.4	12,395.4
06	073	004400	4		Block Group 4	947	45.9	0.07	45.9	20.6	13,197.5	94	2.0	1,310.0	1,041	22.7	14,507.5
06	073	004000	4		Block Group 4	1,053	51.7	0.08	51.7	20.4	13,028.2	90	1.7	1,113.5	1,143	22.1	14,141.7
06	073	004100	2		Block Group 2	1,941	93.9	0.15	93.9	20.7	13,227.2	248	2.6	1,690.0	2,189	23.3	14,917.2
06	073	003112	2		Block Group 2	2,396	219.7	0.34	219.7	10.9	6,979.0	417	1.9	1,214.6	2,813	12.8	8,193.6
06	073	006900	1		Block Group 1	3,482	207.2	0.32	207.2	16.8	10,757.0	195	0.9	602.4	3,677	17.7	11,359.4
06	073	010107	3		Block Group 3	2,438	69.5	0.11	69.5	35.1	22,437.1	111	1.6	1,021.5	2,549	36.7	23,458.6
06	073	003003	2		Block Group 2	2,231	268.3	0.42	268.3	8.3	5,321.3	45	0.2	107.3	2,276	8.5	5,428.6
06	073	003901	2		Block Group 2	1,397	50.0	0.08	50.0	27.9	17,881.5	92	1.8	1,177.6	1,489	29.8	19,059.1
06	073	000300	5		Block Group 5	953	50.4	0.08	50.4	18.9	12,109.0	54	1.1	686.1	1,007	20.0	12,795.1
06	073	000700	1		Block Group 1	1,932	91.4	0.14	91.4	21.1	13,528.9	335	3.7	2,345.9	2,267	24.8	15,874.8
06	073	001300	1		Block Group 1	830	39.4	0.06	39.4	21.1	13,494.2	315	8.0	5,121.3	1,145	29.1	18,615.4
06	073	006000	1														

STATE	FPCOUNTY	FPTRACT	CEBLKGR	PCE	NAMELSAD	pop	acres	Sq Miles	adj_ acre	popden (Acre	Popden (m2	jobs	empden (Acre	empden (m2	Service Pop	psden (Acre	psden (m2)
06	073	006000	2		Block Group 2	1,321	53.8	0.08	53.8	24.6	15,728.9	978	18.2	11,644.9	2,299	42.8	27,373.8
06	073	009304	3		Block Group 3	4,555	132.3	0.21	115.6	39.4	22,037.5	1,105	9.6	5,346.1	5,660	42.8	27,383.6
06	073	007600	5		Block Group 5	841	26.1	0.04	26.1	32.2	20,607.2	93	3.6	2,278.8	934	35.8	22,886.0
06	073	001800	4		Block Group 4	852	26.0	0.04	26.0	32.8	20,978.6	78	3.0	1,920.6	930	35.8	22,899.2
06	073	003003	3		Block Group 3	1,377	200.3	0.31	200.3	6.9	4,399.6	20	0.1	63.9	1,397	7.0	4,463.5
06	073	002501	2		Block Group 2	1,525	91.7	0.14	91.7	16.6	10,642.7	27	0.3	188.4	1,552	16.9	10,831.1
06	073	002502	3		Block Group 3	1,168	82.9	0.13	82.9	14.1	9,013.1	63	0.8	486.2	1,231	14.8	9,499.3
06	073	004800	3		Block Group 3	1,062	57.7	0.09	57.7	18.4	11,788.8	178	3.1	1,975.9	1,240	21.5	13,764.7
06	073	005900	3		Block Group 3	768	35.6	0.06	35.6	21.6	13,811.8	322	9.0	5,790.9	1,090	30.6	19,602.6
06	073	001500	2		Block Group 2	954	58.1	0.09	58.1	16.4	10,513.9	50	0.9	551.0	1,004	17.3	11,064.9
06	073	003901	1		Block Group 1	1,443	55.1	0.09	55.1	26.2	16,747.0	146	2.6	1,694.4	1,589	28.8	18,441.4
06	073	004400	1		Block Group 1	1,237	69.9	0.11	69.9	17.7	11,332.5	173	2.5	1,584.9	1,410	20.2	12,917.4
06	073	004400	2		Block Group 2	1,164	64.4	0.10	64.4	18.1	11,562.0	207	3.2	2,056.1	1,371	21.3	13,618.2
06	073	010012	1		Block Group 1	805	54.4	0.08	54.4	14.8	9,472.3	14	0.3	164.7	819	15.1	9,637.0
06	073	001500	4		Block Group 4	675	38.7	0.06	38.7	17.4	11,157.0	110	2.8	1,818.2	785	20.3	12,975.1
06	073	007903	4		Block Group 4	858	28.3	0.04	28.3	30.3	19,369.8	42	1.5	948.2	900	31.7	20,317.9
06	073	003305	1		Block Group 1	980	107.1	0.17	107.1	9.1	5,855.7	341	3.2	2,037.5	1,321	12.3	7,893.2
06	073	001500	3		Block Group 3	792	47.1	0.07	47.1	16.8	10,772.8	102	2.2	1,387.4	894	19.0	12,160.2
06	073	010106	2		Block Group 2	2,585	80.4	0.13	80.4	32.2	20,588.4	96	1.2	764.6	2,681	33.4	21,353.0
06	073	004000	1		Block Group 1	1,798	72.5	0.11	72.5	24.8	15,879.9	50	0.7	441.6	1,848	25.5	16,321.5
06	073	007702	2		Block Group 2	1,446	49.1	0.08	49.1	29.4	18,831.0	10	0.2	130.2	1,456	29.6	18,961.2
06	073	004400	3		Block Group 3	839	52.6	0.08	52.6	15.9	10,203.9	34	0.6	413.5	873	16.6	10,617.4
06	073	003001	3		Block Group 3	1,498	213.3	0.33	213.3	7.0	4,494.1	233	1.1	699.0	1,731	8.1	5,193.1
06	073	005400	4		Block Group 4	3,073	95.9	0.15	95.9	32.0	20,497.5	3,873	40.4	25,833.6	6,946	72.4	46,331.1
06	073	005200	1		Block Group 1	3,019	139.8	0.22	139.8	21.6	13,817.4	2,686	19.2	12,293.3	5,705	40.8	26,110.6
06	073	008505	2		Block Group 2	1,679	53.9	0.08	53.9	31.2	19,952.7	24	0.4	285.2	1,703	31.6	20,237.9
06	073	003001	1		Block Group 1	994	190.1	0.30	190.1	5.2	3,345.7	56	0.3	188.5	1,050	5.5	3,534.2
06	073	002702	1		Block Group 1	1,656	57.8	0.09	57.8	28.6	18,326.3	171	3.0	1,892.4	1,827	31.6	20,218.7
06	073	004300	1		Block Group 1	625	40.7	0.06	40.7	15.3	9,823.6	73	1.8	1,147.4	698	17.1	10,971.0
06	073	000300	1		Block Group 1	500	30.5	0.05	30.5	16.4	10,477.9	80	2.6	1,676.5	580	19.0	12,154.4
06	073	003502	2		Block Group 2	1,954	82.0	0.13	82.0	23.8	15,246.6	108	1.3	842.7	2,062	25.1	16,089.3
06	073	002803	3		Block Group 3	674	56.6	0.09	56.6	11.9	7,615.5	51	0.9	576.2	725	12.8	8,191.7
06	073	008509	4		Block Group 4	3,968	127.1	0.20	127.1	31.2	19,982.7	110	0.9	554.0	4,078	32.1	20,536.6
06	073	000300	2		Block Group 2	808	35.1	0.05	35.1	23.0	14,712.6	953	27.1	17,352.9	1,761	50.1	32,065.5
06	073	001200	4		Block Group 4	1,648	54.4	0.09	54.4	30.3	19,376.6	222	4.1	2,610.2	1,870	34.4	21,986.8
06	073	004501	3		Block Group 3	366	20.7	0.03	20.7	17.7	11,296.7	134	6.5	4,135.9	500	24.1	15,432.6
06	073	004200	3		Block Group 3	926	65.3	0.10	65.3	14.2	9,072.9	29	0.4	284.1	955	14.6	9,357.1
06	073	007702	3		Block Group 3	962	34.6	0.05	34.6	27.8	17,772.0	11	0.3	203.2	973	28.1	17,975.2
06	073	002804	1		Block Group 1	2,942	111.2	0.17	111.2	26.5	16,939.3	35	0.3	201.5	2,977	26.8	17,140.8
06	073	001800	5		Block Group 5	738	24.1	0.04	24.1	30.6	19,610.0	145	6.0	3,852.9	883	36.7	23,462.9
06	073	007701	1		Block Group 1	1,215	43.6	0.07	39.7	30.6	17,845.0	40	1.0	587.5	1,255	28.8	18,432.5
06	073	002501	1		Block Group 1	2,295	167.6	0.26	167.6	13.7	8,762.5	103	0.6	393.3	2,398	14.3	9,155.8
06	073	007400	4		Block Group 4	1,445	51.7	0.08	51.7	27.9	17,881.5	8	0.2	99.0	1,453	28.1	17,980.5
06	073	003301	2		Block Group 2	1,892	264.5	0.41	264.5	7.2	4,578.5	762	2.9	1,844.0	2,654	10.0	6,422.5
06	073	002301	3		Block Group 3	715	49.5	0.08	49.5	14.5	9,250.6	326	6.6	4,217.8	1,041	21.0	13,468.4
06	073	002712	2		Block Group 2	1,653	83.5	0.13	83.5	19.8	12,675.8	22	0.3	168.7	1,675	20.1	12,844.5
06	073	010005	2		Block Group 2	1,045	67.1	0.10	67.1	15.6	9,962.2	420	6.3	4,003.9	1,465	21.8	13,966.1
06	073	002100	4		Block Group 4	1,109	39.4	0.06	39.4	28.2	18,030.0	55	1.4	894.2	1,164	29.6	18,924.2
06	073	002904	3		Block Group 3	1,662	60.3	0.09	60.3	27.6	17,647.9	298	4.9	3,164.3	1,960	32.5	20,812.1
06	073	001700	2		Block Group 2	1,230	43.9	0.07	43.9	28.0	17,933.7	51	1.2	743.6	1,281	29.2	18,677.3
06	073	003115	1		Block Group 1	2,185	59.8	0.09	59.8	36.5	23,373.0	92	1.5	984.1	2,277	38.1	24,357.1
06	073	004300	3		Block Group 3	1,125	86.0	0.13	86.0	13.1	8,368.3	77	0.9	572.8	1,202	14.0	8,941.0
06	073	007702	4		Block Group 4	715	26.0	0.04	26.0	27.4	17,566.5	61	2.3	1,498.7	776	29.8	19,065.2
06	073	003501	2		Block Group 2	1,122	51.9	0.08	51.9	21.6	13,840.0	26	0.5	320.7	1,148	22.1	14,160.7
06	073	006802	1		Block Group 1	1,657	104.3	0.16	104.3	15.9	10,171.5	1,194	11.5	7,329.3	2,851	27.3	17,500.8
06	073	006100	1		Block Group 1	1,646	109.7	0.17	109.7	15.0	9,607.0	218	2.0	1,272.4	1,864	17.0	10,879.4
06	073	005000	1		Block Group 1	2,360	360.8	0.56	354.4	6.7	4,186.7	8,745	24.7	15,514.0	11,105	30.8	19,700.7
06	073	004200	2		Block Group 2	2,129	165.0	0.26	165.0	12.9	8,255.5	180	1.1	698.0	2,309	14.0	8,953.5
06	073	006600	1		Block Group 1	1,805	125.8	0.20	125.8	14.3	9,179.3	927	7.4	4,714.3	2,732	21.7	13,893.6
06	073	008364	2		Block Group 2	2,698	59.8	0.09	59.8	45.1	28,891.2	31	0.5	332.0	2,729	45.7	29,223.2
06	073	001600	3		Block Group 3	513	37.9	0.06	37.9	13.5	8,653.5	92	2.4	1,551.9	605	15.9	10,205.3
06	073	002002	2		Block Group 2	1,667	189.7	0.30	189.7	8.8	5,624.8	21	0.1	70.9	1,688	8.9	5,695.6
06	073	001000	4		Block Group 4	768	43.9	0.07	43.9	17.5	11,201.1	356	8.1	5,192.2	1,124	25.6	16,393.3
06	073	003602	2		Block Group 2	1,473	69.4	0.11	69.4	21.2	13,584.8	86	1.2	793.1	1,559	22.5	14,377.9
06	073	003403	2		Block Group 2	1,748	84.0	0.13	84.0	20.8	13,321.4	53	0.6	403.9	1,801	21.4	13,725.3
06	073	006900	3		Block Group 3	1,446	147.6	0.23	147.6	9.8	6,267.8	70	0.5	303.4	1,516	10.3	6,571.3
06	073	002002	1		Block Group 1	1,071	127.6	0.20	127.6	8.4	5,369.8	10	0.1	50.1	1,081	8.5	5,420.0
06	073	003208	3		Block Group 3	1,205	35.1	0.05	35.1	34.4	22,000.9	4	0.1	73.0	1,209	34.5	22,073.9
06	073	001100	2		Block Group 2	1,297	44.8	0.07	44.8	29.0	18,545.3	378	8.4	5,404.9	1,675	37.4	23,950.2
06	073	000300	3		Block Group 3	1,682	81.4	0.13	81.4	20.7	13,219.6	2,296	28.2	18,045.3	3,978	48.9	31,264.9
06	073	003401	3		Block Group 3	511	77.5	0.12	77.5	6.6	4,218.3	355	4.6	2,930.6	866	11.2	7,148.9
06	073	001800	3		Block Group 3	924	32.2	0.05	32.2	28.7	18,364.5	259	8.0	5,147.6	1,183	36.7	23,512.1
06	073	007907	2		Block Group 2	1,587	59.4	0.09	59.4	26.7	17,095.0	251	4.2	2,703.8	1,838	30.9	19,798.8
06	073	00800															

STATE	FPCOUNTY	FTRACT	CEBLKGR	PCE	NAMESAD	pop	acres	Sq Miles	adj_ acre	popden (Acre	Popden (m2)	jobs	empden (Acre	empden (m2)	Service Pop	spden (Acre	spden (m2)
06	073	001200	2		Block Group 2	1,019	36.2	0.06	36.2	28.1	18,009.8	330	9.1	5,832.4	1,349	37.3	23,842.2
06	073	010103	3		Block Group 3	2,635	98.2	0.15	98.2	26.8	17,181.3	153	1.6	997.6	2,788	28.4	18,178.9
06	073	007501	5		Block Group 5	392	16.0	0.02	16.0	24.5	15,707.4	2	0.1	80.1	394	24.7	15,787.5
06	073	002902	2		Block Group 2	4,610	187.2	0.29	187.2	24.6	15,759.2	814	4.3	2,782.6	5,424	29.0	18,541.9
06	073	000500	2		Block Group 2	1,217	100.4	0.16	100.4	12.1	7,754.0	99	1.0	630.8	1,316	13.1	8,384.8
06	073	008507	6		Block Group 6	1,491	55.1	0.09	55.1	27.1	17,324.8	63	1.1	732.0	1,554	28.2	18,056.8
06	073	008006	4		Block Group 4	773	28.7	0.04	28.7	27.0	17,255.0	255	8.9	5,692.1	1,028	35.9	22,947.1
06	073	008003	3		Block Group 3	1,295	53.7	0.08	53.7	24.1	15,430.2	63	1.2	750.7	1,358	25.3	16,180.8
06	073	001800	6		Block Group 6	657	24.9	0.04	24.9	26.4	16,907.2	130	5.2	3,345.4	787	31.6	20,252.6
06	073	000100	1		Block Group 1	1,577	164.1	0.26	164.1	9.6	6,152.0	40	0.2	156.0	1,617	9.9	6,308.0
06	073	003401	1		Block Group 1	2,356	147.7	0.23	147.7	16.0	10,209.2	53	0.4	229.7	2,409	16.3	10,438.9
06	073	010003	4		Block Group 4	1,642	60.8	0.10	60.8	27.0	17,270.9	60	1.0	631.1	1,702	28.0	17,902.0
06	073	010011	2		Block Group 2	2,386	89.2	0.14	89.2	26.8	17,126.0	47	0.5	337.4	2,433	27.3	17,463.3
06	073	000202	1		Block Group 1	1,271	98.4	0.15	98.4	12.9	8,264.4	477	4.8	3,101.6	1,748	17.8	11,366.0
06	073	010111	2		Block Group 2	1,863	74.0	0.12	74.0	25.2	16,102.7	43	0.6	371.7	1,906	25.7	16,474.4
06	073	008506	1		Block Group 1	1,663	61.3	0.10	61.3	27.1	17,363.2	232	3.8	2,422.3	1,895	30.9	19,785.5
06	073	007800	3		Block Group 3	1,835	78.5	0.12	78.5	23.4	14,951.5	141	1.8	1,148.9	1,976	25.2	16,100.4
06	073	001400	2		Block Group 2	661	51.1	0.08	51.1	12.9	8,279.5	354	6.9	4,434.1	1,015	19.9	12,713.6
06	073	007301	1		Block Group 1	1,195	50.8	0.08	48.3	24.7	15,068.0	59	1.2	743.9	1,254	24.7	15,811.9
06	073	008507	3		Block Group 3	1,494	58.8	0.09	58.8	25.4	16,248.0	34	0.6	369.8	1,528	26.0	16,617.8
06	073	004600	2		Block Group 2	492	47.3	0.07	47.3	10.4	6,658.3	96	2.0	1,299.2	588	12.4	7,957.5
06	073	003401	2		Block Group 2	1,224	273.2	0.43	273.2	4.5	2,867.2	1,141	4.2	2,672.8	2,365	8.7	5,540.1
06	073	005800	1		Block Group 1	3,541	199.7	0.31	198.4	17.8	11,346.4	5,967	30.1	19,120.0	9,508	47.6	30,466.3
06	073	002703	2		Block Group 2	1,588	78.2	0.12	78.2	20.3	12,990.4	18	0.2	147.2	1,606	20.5	13,137.7
06	073	002705	2		Block Group 2	1,889	130.3	0.20	130.3	14.5	9,279.2	61	0.5	299.6	1,950	15.0	9,578.9
06	073	003602	1		Block Group 1	1,740	92.6	0.14	92.6	18.8	12,029.6	396	4.3	2,737.8	2,136	23.1	14,767.4
06	073	004200	4		Block Group 4	897	117.2	0.18	117.2	7.7	4,898.0	55	0.5	300.3	952	8.1	5,198.4
06	073	003501	1		Block Group 1	2,160	129.5	0.20	129.5	16.7	10,671.3	104	0.8	513.8	2,264	17.5	11,185.1
06	073	002711	2		Block Group 2	1,411	96.5	0.15	96.5	14.6	9,354.1	85	0.9	563.5	1,496	15.5	9,917.7
06	073	004000	2		Block Group 2	639	34.8	0.05	34.8	18.4	11,767.1	134	3.9	2,467.6	773	22.2	14,234.7
06	073	008503	2		Block Group 2	1,864	79.5	0.12	79.5	23.5	15,010.7	24	0.3	193.3	1,888	23.8	15,203.9
06	073	006300	1		Block Group 1	3,715	504.7	0.79	483.6	7.7	4,711.1	866	1.8	1,098.2	4,581	9.1	5,809.3
06	073	007501	2		Block Group 2	592	24.7	0.04	24.7	23.9	15,321.1	123	5.0	3,183.3	715	28.9	18,504.3
06	073	000600	3		Block Group 3	1,274	78.6	0.12	78.6	16.2	10,374.8	1,632	20.8	13,290.2	2,906	37.0	23,664.9
06	073	010009	1		Block Group 1	3,883	568.0	0.89	568.0	6.8	4,374.9	405	0.7	456.3	4,288	7.5	4,831.2
06	073	008341	2		Block Group 2	5,376	117.3	0.18	117.3	45.8	29,324.0	3,919	33.4	21,376.7	9,295	79.2	50,700.7
06	073	007905	1		Block Group 1	1,342	52.6	0.08	52.6	25.5	16,315.5	760	14.4	9,239.8	2,102	39.9	25,555.2
06	073	004200	1		Block Group 1	2,228	268.5	0.42	268.5	8.3	5,311.0	416	1.5	991.6	2,644	9.8	6,302.7
06	073	003403	1		Block Group 1	889	180.7	0.28	180.7	4.9	3,148.1	1,461	8.1	5,173.7	2,350	13.0	8,321.9
06	073	017035	3		Block Group 3	1,088	32.5	0.05	32.5	33.5	21,414.2	94	2.9	1,850.1	1,182	36.4	23,264.3
06	073	009107	1		Block Group 1	3,175	112.4	0.18	112.4	28.2	18,075.1	1,067	9.5	6,074.4	4,242	37.7	24,149.5
06	073	002712	3		Block Group 3	2,217	125.4	0.20	125.4	17.7	11,313.5	1,126	9.0	5,746.0	3,343	26.7	17,059.5
06	073	010010	1		Block Group 1	1,649	71.4	0.11	71.4	23.1	14,784.2	101	1.4	905.5	1,750	24.5	15,689.7
06	073	000400	1		Block Group 1	1,993	118.7	0.19	118.7	16.8	10,749.5	3,976	33.5	21,445.1	5,969	50.3	32,194.6
06	073	010110	3		Block Group 3	1,653	72.6	0.11	72.6	22.8	14,581.6	87	1.2	767.5	1,740	24.0	15,349.1
06	073	000100	2		Block Group 2	1,673	216.8	0.34	216.8	7.7	4,937.7	242	1.1	714.2	1,915	8.8	5,651.9
06	073	007903	2		Block Group 2	1,594	60.9	0.10	60.9	26.2	16,757.5	1,395	22.9	14,665.4	2,989	49.1	31,422.9
06	073	002705	1		Block Group 1	2,262	173.0	0.27	173.0	13.1	8,368.5	159	0.9	588.2	2,421	14.0	8,956.7
06	073	003902	4		Block Group 4	709	37.3	0.06	37.3	19.0	12,161.1	360	9.6	6,174.9	1,069	28.7	18,336.0
06	073	003401	4		Block Group 4	2,620	197.8	0.31	197.8	13.2	8,476.9	252	1.3	815.3	2,872	14.5	9,292.3
06	073	006000	3		Block Group 3	1,842	151.4	0.24	151.4	12.2	7,786.6	1,285	8.5	5,432.0	3,127	20.7	13,218.7
06	073	000202	2		Block Group 2	695	85.6	0.13	85.6	8.1	5,195.8	161	1.9	1,203.6	856	10.0	6,399.5
06	073	008343	3		Block Group 3	820	21.3	0.03	21.3	38.5	24,620.9	5	0.2	150.1	825	38.7	24,771.0
06	073	001100	3		Block Group 3	731	32.9	0.05	32.9	22.2	14,207.2	147	4.5	2,857.0	878	26.7	17,064.2
06	073	000600	1		Block Group 1	936	53.8	0.08	53.8	17.4	11,133.1	3,479	64.7	41,380.5	4,415	82.1	52,513.6
06	073	007400	5		Block Group 5	1,743	83.6	0.13	83.6	20.8	13,338.4	215	2.6	1,645.3	1,958	23.4	14,983.7
06	073	007701	2		Block Group 2	1,167	58.4	0.09	58.4	20.0	12,780.7	139	2.4	1,522.3	1,306	22.3	14,302.9
06	073	007501	3		Block Group 3	840	36.3	0.06	36.3	23.1	14,803.1	333	9.2	5,868.4	1,173	32.3	20,671.5
06	073	007702	1		Block Group 1	970	49.5	0.08	49.5	19.6	12,538.1	91	1.8	1,176.3	1,061	21.4	13,714.3
06	073	000201	1		Block Group 1	1,915	213.6	0.33	213.6	9.0	5,739.1	843	3.9	2,526.4	2,758	12.9	8,265.5
06	073	008504	2		Block Group 2	1,002	48.0	0.07	48.0	20.9	13,363.0	19	0.4	253.4	1,021	21.3	13,616.3
06	073	008505	5		Block Group 5	1,766	80.2	0.13	80.2	22.0	14,099.8	205	2.6	1,636.7	1,971	24.6	15,736.6
06	073	009603	3		Block Group 3	1,184	38.3	0.06	38.3	30.9	19,793.8	1,142	29.8	19,091.7	2,326	60.8	38,885.5
06	073	001400	1		Block Group 1	587	50.6	0.08	50.6	11.6	7,426.2	714	14.1	9,032.8	1,301	25.7	16,459.0
06	073	002905	2		Block Group 2	1,287	67.3	0.11	67.3	19.1	12,239.3	252	3.7	2,396.5	1,539	22.9	14,635.8
06	073	007910	2		Block Group 2	1,611	66.7	0.10	66.7	24.1	15,446.7	1,245	18.7	11,937.4	2,856	42.8	27,384.2
06	073	003214	3		Block Group 3	1,561	57.0	0.09	57.0	27.4	17,522.0	10	0.2	112.2	1,571	27.6	17,634.3
06	073	007502	3		Block Group 3	916	40.0	0.06	40.0	22.9	14,645.3	398	9.9	6,363.3	1,314	32.8	21,008.6
06	073	002702	2		Block Group 2	1,729	102.4	0.16	102.4	16.9	10,801.4	28	0.3	174.9	1,757	17.2	10,976.4
06	073	008502	3		Block Group 3	1,293	63.6	0.10	63.6	20.3	13,016.7	11	0.2	110.7	1,304	20.5	13,127.4
06	073	000500	1		Block Group 1	1,072	160.4	0.25	160.4	6.7	4,276.6	112	0.7	446.8	1,184	7.4	4,723.4
06	073	003800	1		Block Group 1	6,252	450.7	0.70	435.3	14.4	8,877.0	573	1.3	813.6	6,825	15.1	9,690.6
06	073	001800	1		Block Group 1	843	41.9	0.07	41.9	20.1	12,884.3	122	2.9	1,864.6	965	23.0	14,748.9
06	073	008003	2		Block Group 2												

STATE	FPCOUNTY	TRACT	CEBLKGRP	PCE	NAMESAD	pop	acres	Sq Miles	adj_ acre	popden (Acre	Popden (m2)	jobs	empden (Acre	empden (m2)	Service Pop	psden (Acre	psden (m2)
06	073	003902	3	Block Group 3	1,435	89.3	0.14	89.3	16.1	10,286.9	521	5.8	3,734.8	1,956	21.9	14,021.7	
06	073	014102	2	Block Group 2	1,645	61.4	0.10	61.4	26.8	17,137.1	37	0.6	385.5	1,682	27.4	17,522.5	
06	073	002904	4	Block Group 4	1,221	64.6	0.10	64.6	18.9	12,090.0	342	5.3	3,386.4	1,563	24.2	15,476.3	
06	073	007800	4	Block Group 4	774	36.5	0.06	36.5	21.2	13,573.3	330	9.0	5,787.1	1,104	30.3	19,360.4	
06	073	010010	3	Block Group 3	1,284	62.7	0.10	62.7	20.5	13,112.3	129	2.1	1,317.4	1,413	22.5	14,429.6	
06	073	001700	3	Block Group 3	967	51.1	0.08	51.1	18.9	12,113.3	88	1.7	1,102.4	1,055	20.6	13,215.7	
06	073	008006	5	Block Group 5	1,149	54.6	0.09	54.6	21.0	13,460.2	472	8.6	5,529.4	1,621	29.7	18,989.6	
06	073	002708	2	Block Group 2	374	54.0	0.08	54.0	6.9	4,428.9	366	6.8	4,334.1	740	13.7	8,763.0	
06	073	002903	3	Block Group 3	1,259	81.2	0.13	81.2	15.5	9,921.6	9	0.1	70.9	1,268	15.6	9,992.6	
06	073	004100	4	Block Group 4	2,066	209.4	0.33	209.4	9.9	6,314.5	2,224	10.6	6,797.5	4,290	20.5	13,112.0	
06	073	003209	3	Block Group 3	1,412	53.0	0.08	53.0	26.6	17,051.3	101	1.9	1,219.7	1,513	28.5	18,271.0	
06	073	010004	2	Block Group 2	2,911	154.4	0.24	154.4	18.9	12,069.1	77	0.5	319.2	2,988	19.4	12,388.3	
06	073	008358	4	Block Group 4	2,686	82.4	0.13	82.4	32.6	20,854.7	13	0.2	100.9	2,699	32.7	20,955.6	
06	073	008800	2	Block Group 2	1,314	52.2	0.08	52.2	25.2	16,115.2	66	1.3	809.4	1,380	26.4	16,924.7	
06	073	005700	1	Block Group 1	481	34.1	0.05	34.1	14.1	9,036.9	1,604	47.1	30,135.6	2,085	61.2	39,172.5	
06	073	008357	2	Block Group 2	1,587	48.8	0.08	48.8	32.5	20,800.1	26	0.5	340.8	1,613	33.0	21,140.9	
06	073	005500	1	Block Group 1	280	109.3	0.17	109.3	2.6	1,639.0	10	0.1	58.5	290	2.7	1,697.5	
06	073	002703	1	Block Group 1	1,449	119.2	0.19	119.2	12.2	7,779.6	503	4.2	2,700.6	1,952	16.4	10,480.2	
06	073	010112	1	Block Group 1	2,824	147.4	0.23	147.4	19.2	12,259.9	276	1.9	1,198.2	3,100	21.0	13,458.2	
06	073	010003	3	Block Group 3	1,205	62.2	0.10	62.2	19.4	12,389.9	17	0.3	174.8	1,222	19.6	12,564.7	
06	073	002702	3	Block Group 3	3,154	175.7	0.27	175.7	18.0	11,489.9	1,158	6.6	4,218.6	4,312	24.5	15,708.5	
06	073	001700	4	Block Group 4	385	23.3	0.04	23.3	16.5	10,586.4	9	0.4	247.5	394	16.9	10,833.8	
06	073	010106	3	Block Group 3	1,248	68.7	0.11	68.7	18.2	11,623.5	52	0.8	484.3	1,300	18.9	12,107.8	
06	073	007501	1	Block Group 1	1,033	60.8	0.10	60.8	17.0	10,866.1	78	1.3	820.5	1,111	18.3	11,686.6	
06	073	010001	1	Block Group 1	1,274	66.1	0.10	66.1	19.3	12,339.9	30	0.5	290.6	1,304	19.7	12,630.5	
06	073	007400	6	Block Group 6	1,078	67.2	0.10	67.2	16.0	10,268.9	32	0.5	304.8	1,110	16.5	10,573.7	
06	073	002100	1	Block Group 1	1,242	68.0	0.11	68.0	18.3	11,681.9	278	4.1	2,614.8	1,520	22.3	14,296.7	
06	073	008502	2	Block Group 2	879	49.2	0.08	49.2	17.9	11,442.1	42	0.9	546.7	921	18.7	11,988.8	
06	073	008504	1	Block Group 1	997	55.0	0.09	55.0	18.1	11,606.2	76	1.4	884.7	1,073	19.5	12,490.9	
06	073	008512	1	Block Group 1	780	43.8	0.07	43.8	17.8	11,408.9	6	0.1	87.8	786	18.0	11,496.7	
06	073	008006	2	Block Group 2	870	51.8	0.08	51.8	16.8	10,753.8	154	3.0	1,903.6	1,024	19.8	12,657.4	
06	073	006801	1	Block Group 1	2,861	166.2	0.26	159.1	18.0	11,015.8	507	3.2	1,952.1	3,368	20.3	12,968.0	
06	073	002711	1	Block Group 1	2,032	256.5	0.40	242.4	8.4	5,070.7	108	0.4	269.5	2,140	8.3	5,340.3	
06	073	000400	2	Block Group 2	811	66.2	0.10	66.2	12.3	7,842.6	2,218	33.5	21,448.8	3,029	45.8	29,291.4	
06	073	002502	1	Block Group 1	2,737	254.2	0.40	254.2	10.8	6,890.2	321	1.3	808.1	3,058	12.0	7,698.3	
06	073	010003	1	Block Group 1	2,045	110.1	0.17	110.1	18.6	11,885.4	102	0.9	592.8	2,147	19.5	12,478.2	
06	073	007301	4	Block Group 4	566	38.5	0.06	38.1	14.8	9,398.0	3	0.1	49.8	569	14.8	9,447.8	
06	073	008600	2	Block Group 2	1,635	69.3	0.11	69.3	23.6	15,104.1	167	2.4	1,542.7	1,802	26.0	16,646.9	
06	073	002905	1	Block Group 1	1,176	72.1	0.11	72.1	16.3	10,440.4	432	6.0	3,835.2	1,608	22.3	14,275.6	
06	073	008006	3	Block Group 3	488	27.1	0.04	27.1	18.0	11,542.7	212	7.8	5,014.4	700	25.9	16,557.1	
06	073	003601	1	Block Group 1	2,877	221.7	0.35	221.7	13.0	8,303.9	1,253	5.7	3,616.5	4,130	18.6	11,920.4	
06	073	002902	1	Block Group 1	2,796	207.5	0.32	207.5	13.5	8,623.2	230	1.1	709.3	3,026	14.6	9,332.5	
06	073	007400	3	Block Group 3	1,123	76.2	0.12	76.2	14.7	9,430.1	39	0.5	327.5	1,162	15.2	9,757.6	
06	073	017030	4	Block Group 4	4,097	180.1	0.28	180.1	22.7	14,557.7	35	0.2	124.4	4,132	22.9	14,682.1	
06	073	009107	2	Block Group 2	1,967	86.9	0.14	86.9	22.6	14,481.6	103	1.2	758.3	2,070	23.8	15,239.9	
06	073	008350	4	Block Group 4	2,202	73.5	0.11	73.5	29.9	19,165.3	42	0.6	365.6	2,244	30.5	19,530.9	
06	073	008002	3	Block Group 3	1,044	75.6	0.12	75.6	13.8	8,840.1	35	0.5	296.4	1,079	14.3	9,136.4	
06	073	007502	1	Block Group 1	1,298	74.2	0.12	74.2	17.5	11,203.0	462	6.2	3,987.5	1,760	23.7	15,190.5	
06	073	008362	2	Block Group 2	705	21.6	0.03	21.6	32.6	20,866.8	6	0.3	177.6	711	32.9	21,044.4	
06	073	010107	4	Block Group 4	1,020	63.1	0.10	63.1	16.2	10,344.4	71	1.1	720.1	1,091	17.3	11,064.5	
06	073	009103	2	Block Group 2	965	54.4	0.09	54.4	17.7	11,344.4	29	0.5	340.9	994	18.3	11,685.4	
06	073	005300	2	Block Group 2	976	49.3	0.08	49.3	19.8	12,661.9	5,019	101.7	65,112.7	5,995	121.5	77,774.6	
06	073	007301	2	Block Group 2	2,001	131.3	0.21	58.4	34.3	9,755.2	340	5.8	1,657.5	2,341	17.8	11,412.7	
06	073	008501	4	Block Group 4	1,030	67.4	0.11	67.4	15.3	9,783.1	41	0.6	389.4	1,071	15.9	10,172.5	
06	073	001900	3	Block Group 3	597	45.1	0.07	45.1	13.2	8,463.9	11	0.2	156.0	608	13.5	8,619.9	
06	073	008352	3	Block Group 3	1,289	44.4	0.07	44.4	29.0	18,563.1	59	1.3	849.7	1,348	30.3	19,412.8	
06	073	008356	1	Block Group 1	2,024	68.9	0.11	68.9	29.4	18,797.2	156	2.3	1,448.8	2,180	31.6	20,246.0	
06	073	008360	3	Block Group 3	3,034	104.1	0.16	104.1	29.1	18,646.9	68	0.7	417.9	3,102	29.8	19,064.9	
06	073	001000	1	Block Group 1	1,298	86.9	0.14	86.9	14.9	9,557.3	233	2.7	1,715.6	1,531	17.6	11,272.9	
06	073	010010	2	Block Group 2	2,327	155.0	0.24	155.0	15.0	9,605.4	147	0.9	606.8	2,474	16.0	10,212.1	
06	073	007905	2	Block Group 2	1,553	88.5	0.14	88.5	17.5	11,226.5	1,034	11.7	7,474.7	2,587	29.2	18,701.2	
06	073	008509	2	Block Group 2	1,200	79.8	0.12	79.8	15.0	9,621.4	25	0.3	200.4	1,225	15.3	9,821.8	
06	073	007800	5	Block Group 5	1,344	106.4	0.17	106.4	12.6	8,087.0	94	0.9	565.6	1,438	13.5	8,652.6	
06	073	010110	1	Block Group 1	1,949	131.6	0.21	131.6	14.8	9,479.9	167	1.3	812.3	2,116	16.1	10,292.2	
06	073	003115	2	Block Group 2	1,478	71.2	0.11	71.2	20.8	13,293.9	16	0.2	143.9	1,494	21.0	13,437.8	
06	073	009802	2	Block Group 2	1,133	44.5	0.07	44.5	25.5	16,307.6	33	0.7	475.0	1,166	26.2	16,782.6	
06	073	002903	2	Block Group 2	1,212	112.7	0.18	112.7	10.8	6,881.7	93	0.8	528.1	1,305	11.6	7,409.7	
06	073	003208	4	Block Group 4	1,080	52.4	0.08	52.4	20.6	13,203.3	30	0.6	366.8	1,110	21.2	13,570.1	
06	073	010009	3	Block Group 3	265	172.2	0.27	172.2	1.5	984.7	192	1.1	713.5	457	2.7	1,698.2	
06	073	009000	1	Block Group 1	3,147	158.8	0.25	158.8	19.8	12,684.9	146	0.9	588.5	3,293	20.7	13,273.4	
06	073	008340	3	Block Group 3	3,344	93.3	0.15	93.3	35.8	22,943.1	2,358	25.3	16,178.2	5,702	61.1	39,121.2	
06	073	007908	1	Block Group 1	663	38.3	0.06	38.3	17.3	11,068.7	593	15.5	9,900.0	1,256	32.8	20,968.7	
06	073	003211	2	Block Group 2	1,338	66.6	0.10	66.6	20.1	12,848.6	21	0.3	201.7	1,359	20.4	13,050.3	
06	073	007002	1	Block Group 1	1,710	142.3	0.22	142.3	12.0	7,690.7	110	0.8	494.7	1,820	12.8	8,185.4	
06	073	010003	2	Block Group 2	1,246	82.7	0.13	82.7	15.1	9,640.6	76	0.9	588.0	1,322</			

STATE	FPCOUNTY	FTRACT	CEBLKGR	PCE	NAMESAD	pop	acres	Sq Miles	adj_	acrepop	den (Acre	Popden (m2)	jobs	empden (Acre	empden (m2)	Service Pop	psden (Acre	psden (m2)
06	073	008506	2		Block Group 2	1,418	106.4	0.17	106.4	13.3	8,532.1	68	0.6	409.2	1,486	14.0	8,941.3	
06	073	002905	3		Block Group 3	1,815	143.9	0.22	143.9	12.6	8,074.6	617	4.3	2,744.9	2,432	16.9	10,819.5	
06	073	006500	3		Block Group 3	1,430	218.6	0.34	218.6	6.5	4,187.5	3,473	15.9	10,170.0	4,903	22.4	14,357.4	
06	073	017031	3		Block Group 3	2,204	107.7	0.17	107.7	20.5	13,092.3	210	1.9	1,247.4	2,414	22.4	14,339.7	
06	073	000400	3		Block Group 3	954	106.1	0.17	106.1	9.0	5,753.7	8,698	82.0	52,458.8	9,652	91.0	58,212.5	
06	073	009305	3		Block Group 3	920	56.7	0.09	56.7	16.2	10,387.9	45	0.8	508.1	965	17.0	10,896.0	
06	073	003502	1		Block Group 1	460	52.9	0.08	52.9	8.7	5,564.5	180	3.4	2,177.4	640	12.1	7,741.9	
06	073	010009	4		Block Group 4	817	158.5	0.25	158.5	5.2	3,298.1	2,637	16.6	10,645.2	3,454	21.8	13,943.3	
06	073	002903	1		Block Group 1	1,533	153.9	0.24	153.9	10.0	6,376.5	198	1.3	823.6	1,731	11.3	7,200.1	
06	073	009201	4		Block Group 4	1,428	41.6	0.07	41.6	34.3	21,943.6	76	1.8	1,167.9	1,504	36.1	23,111.5	
06	073	002904	1		Block Group 1	3,109	245.7	0.38	245.7	12.7	8,099.0	1,380	5.6	3,594.9	4,489	18.3	11,693.9	
06	073	003105	2		Block Group 2	1,783	92.4	0.14	92.4	19.3	12,353.5	56	0.6	388.0	1,839	19.9	12,741.4	
06	073	008352	1		Block Group 1	1,249	48.3	0.08	48.3	25.9	16,557.0	4	0.1	53.0	1,253	26.0	16,610.0	
06	073	008351	3		Block Group 3	1,043	39.7	0.06	39.7	26.3	16,818.4	36	0.9	580.5	1,079	27.2	17,398.9	
06	073	010103	2		Block Group 2	1,587	115.3	0.18	115.3	13.8	8,810.6	265	2.3	1,471.2	1,852	16.1	10,281.8	
06	073	008512	2		Block Group 2	1,597	122.4	0.19	122.4	13.0	8,348.3	93	0.8	486.2	1,690	13.8	8,834.5	
06	073	009102	1		Block Group 1	1,693	115.0	0.18	115.0	14.7	9,418.1	125	1.1	695.4	1,818	15.8	10,113.5	
06	073	002001	3		Block Group 3	893	84.7	0.13	84.7	10.5	6,749.6	35	0.4	264.5	928	11.0	7,014.2	
06	073	007302	1		Block Group 1	740	67.6	0.11	67.6	10.9	7,003.1	65	1.0	615.1	805	11.9	7,618.2	
06	073	008002	2		Block Group 2	1,240	123.2	0.19	123.2	10.1	6,443.7	92	0.7	478.1	1,332	10.8	6,921.8	
06	073	007400	2		Block Group 2	1,043	76.5	0.12	76.5	13.6	8,729.2	396	5.2	3,314.2	1,439	18.8	12,043.4	
06	073	007501	4		Block Group 4	1,192	117.6	0.18	116.7	10.2	6,486.8	42	0.4	228.6	1,234	10.5	6,715.4	
06	073	003107	2		Block Group 2	1,965	104.6	0.16	104.6	18.8	12,018.2	66	0.6	403.7	2,031	19.4	12,421.9	
06	073	006100	2		Block Group 2	634	110.8	0.17	110.8	5.7	3,662.2	1,327	12.0	7,665.1	1,961	17.7	11,327.3	
06	073	003213	2		Block Group 2	2,390	129.6	0.20	129.6	18.4	11,802.0	52	0.4	256.8	2,442	18.8	12,058.8	
06	073	009704	2		Block Group 2	925	55.3	0.09	55.3	16.7	10,708.7	82	1.5	949.3	1,007	18.2	11,658.1	
06	073	021400	2		Block Group 2	1,703	95.9	0.15	95.9	17.8	11,370.1	475	5.0	3,171.3	2,178	22.7	14,541.4	
06	073	008361	2		Block Group 2	626	22.2	0.03	22.2	28.2	18,046.1	5	0.2	144.1	631	28.4	18,190.2	
06	073	002804	3		Block Group 3	907	81.6	0.13	81.6	11.1	7,111.7	329	4.0	2,579.7	1,236	15.1	9,691.4	
06	073	009102	2		Block Group 2	2,033	127.3	0.20	127.3	16.0	10,223.5	515	4.0	2,589.8	2,548	20.0	12,813.3	
06	073	002712	1		Block Group 1	1,281	333.4	0.52	333.4	3.8	2,459.0	268	0.8	514.4	1,549	4.6	2,973.4	
06	073	008800	1		Block Group 1	1,996	103.7	0.16	103.7	19.2	12,316.0	418	4.0	2,579.2	2,414	23.3	14,895.2	
06	073	008505	3		Block Group 3	629	53.0	0.08	53.0	11.9	7,602.1	22	0.4	265.9	651	12.3	7,868.0	
06	073	008362	3		Block Group 3	1,181	42.3	0.07	42.3	27.9	17,851.9	21	0.5	317.4	1,202	28.4	18,169.3	
06	073	008509	1		Block Group 1	1,306	103.4	0.16	103.4	12.6	8,084.7	137	1.3	848.1	1,443	14.0	8,932.8	
06	073	007600	6		Block Group 6	461	32.7	0.05	32.0	14.4	9,032.4	324	10.1	6,348.2	785	24.0	15,380.6	
06	073	008343	1		Block Group 1	2,795	99.6	0.16	99.6	28.1	17,955.2	107	1.1	687.4	2,902	29.1	18,642.6	
06	073	008002	1		Block Group 1	660	71.0	0.11	71.0	9.3	5,950.1	60	0.8	540.9	720	10.1	6,491.0	
06	073	002703	4		Block Group 4	2,090	188.1	0.29	188.1	11.1	7,110.5	906	4.8	3,082.3	2,996	15.9	10,192.8	
06	073	003201	1		Block Group 1	1,355	74.4	0.12	74.4	18.2	11,658.4	82	1.1	705.5	1,437	19.3	12,363.9	
06	073	010011	1		Block Group 1	1,590	129.5	0.20	129.5	12.3	7,855.1	103	0.8	508.9	1,693	13.1	8,363.9	
06	073	002803	4		Block Group 4	1,002	120.6	0.19	120.6	8.3	5,316.0	157	1.3	832.9	1,159	9.6	6,149.0	
06	073	003109	2		Block Group 2	1,061	62.2	0.10	62.2	17.1	10,923.1	13	0.2	133.8	1,074	17.3	11,056.9	
06	073	006500	2		Block Group 2	829	252.5	0.39	252.5	3.3	2,101.1	4,601	18.2	11,661.0	5,430	21.5	13,762.1	
06	073	008507	5		Block Group 5	1,002	89.4	0.14	89.4	11.2	7,169.2	56	0.6	400.7	1,058	11.8	7,569.8	
06	073	008503	4		Block Group 4	1,714	152.4	0.24	152.4	11.2	7,197.4	194	1.3	814.6	1,908	12.5	8,012.1	
06	073	003115	4		Block Group 4	2,368	140.5	0.22	140.5	16.9	10,787.6	24	0.2	109.3	2,392	17.0	10,897.0	
06	073	003209	1		Block Group 1	2,697	151.8	0.24	151.8	17.8	11,368.9	236	1.6	994.8	2,933	19.3	12,363.7	
06	073	002001	1		Block Group 1	826	94.9	0.15	94.9	8.7	5,570.4	40	0.4	269.8	866	9.1	5,840.1	
06	073	003103	3		Block Group 3	2,123	127.1	0.20	127.1	16.7	10,691.7	19	0.1	95.7	2,142	16.9	10,787.4	
06	073	009510	1		Block Group 1	1,352	51.7	0.08	51.7	26.2	16,752.1	5	0.1	62.0	1,357	26.3	16,814.1	
06	073	008348	2		Block Group 2	1,335	56.9	0.09	56.9	23.5	15,017.1	15	0.3	168.7	1,350	23.7	15,185.8	
06	073	008306	1		Block Group 1	732	76.0	0.12	76.0	9.6	6,160.4	20	0.3	168.3	752	9.9	6,328.7	
06	073	010004	1		Block Group 1	2,156	194.4	0.30	194.4	11.1	7,098.9	92	0.5	302.9	2,248	11.6	7,401.8	
06	073	008101	4		Block Group 4	688	40.9	0.06	40.9	16.8	10,760.6	73	1.8	1,141.8	761	18.6	11,902.4	
06	073	008513	2		Block Group 2	926	92.2	0.14	92.2	10.0	6,425.6	22	0.2	152.7	948	10.3	6,578.3	
06	073	003114	1		Block Group 1	1,208	75.0	0.12	75.0	16.1	10,312.6	25	0.3	213.4	1,233	16.4	10,526.1	
06	073	008902	1		Block Group 1	1,132	573.0	0.90	560.6	2.0	1,264.4	5,546	9.9	6,194.9	6,678	11.7	7,459.3	
06	073	008355	1		Block Group 1	1,063	46.3	0.07	46.3	23.0	14,692.3	18	0.4	248.8	1,081	23.3	14,941.0	
06	073	007600	4		Block Group 4	510	76.6	0.12	66.9	7.6	4,259.6	10	0.1	83.5	520	6.8	4,343.1	
06	073	007903	3		Block Group 3	748	70.1	0.11	70.1	10.7	6,831.0	327	4.7	2,986.3	1,075	15.3	9,817.3	
06	073	008506	3		Block Group 3	1,515	151.1	0.24	151.1	10.0	6,417.5	184	1.2	779.4	1,699	11.2	7,196.9	
06	073	006500	1		Block Group 1	1,026	447.5	0.70	447.5	2.3	1,467.2	7,368	16.5	10,536.5	8,394	18.8	12,003.7	
06	073	017035	2		Block Group 2	1,094	59.3	0.09	59.3	18.5	11,814.2	16	0.3	172.8	1,110	18.7	11,987.0	
06	073	009602	2		Block Group 2	779	56.6	0.09	56.6	13.8	8,808.5	63	1.1	712.4	842	14.9	9,520.9	
06	073	008507	4		Block Group 4	1,302	82.9	0.13	82.9	15.7	10,056.3	1,220	14.7	9,423.0	2,522	30.4	19,479.3	
06	073	009801	4		Block Group 4	1,116	47.2	0.07	47.2	23.6	15,134.2	412	8.7	5,587.2	1,528	32.4	20,721.3	
06	073	008353	3		Block Group 3	1,082	48.3	0.08	48.3	22.4	14,333.2	23	0.5	304.7	1,105	22.9	14,637.8	
06	073	008306	2		Block Group 2	1,106	125.5	0.20	125.5	8.8	5,638.0	54	0.4	275.3	1,160	9.2	5,913.3	
06	073	017034	3		Block Group 3	1,873	104.4	0.16	104.4	17.9	11,478.9	20	0.2	122.6	1,893	18.1	11,601.5	
06	073	007600	7		Block Group 7	390	44.6	0.07	40.8	9.6	5,595.0	111	2.7	1,592.4	501	11.2	7,187.4	
06	073	017031	2		Block Group 2	764	51.5	0.08	51.5	14.8	9,502.2	11	0.2	136.8	775	15.1	9,639.0	
06	073	009603	2		Block Group 2	1,303	102.0	0.16	83.8	15.6	8,178.2	137	1.6	859.9	1,440	14.1	9,038.1	
06	073	008901	1		Block Group													

STATE	FPCOUNTY	FTRACT	CEBLKGR	PCE	NAMESAD	pop	acres	Sq Miles	adj_	acrepopden (Acre	Popden (m2)	jobs	empden (Acre	empden (m2)	Service Pop	psden (Acre	psden (m2)
06	073	003202	1	Block Group 1	1,734	117.2	0.18	117.2	14.8	9,466.8	39	0.3	212.9	1,773	15.1	9,679.7	
06	073	010106	1	Block Group 1	2,152	182.0	0.28	182.0	11.8	7,567.8	998	5.5	3,509.6	3,150	17.3	11,077.3	
06	073	009101	2	Block Group 2	2,138	232.8	0.36	232.8	9.2	5,877.6	304	1.3	835.7	2,442	10.5	6,713.4	
06	073	003211	1	Block Group 1	2,151	145.3	0.23	145.3	14.8	9,473.7	67	0.5	295.1	2,218	15.3	9,768.8	
06	073	008101	1	Block Group 1	588	37.5	0.06	37.5	15.7	10,048.5	97	2.6	1,657.7	685	18.3	11,706.2	
06	073	009305	1	Block Group 1	3,119	255.2	0.40	255.2	12.2	7,821.9	365	1.4	915.4	3,484	13.7	8,737.2	
06	073	010107	1	Block Group 1	2,861	350.7	0.55	343.4	8.3	5,221.6	234	0.7	427.1	3,095	8.8	5,648.6	
06	073	006900	2	Block Group 2	834	94.7	0.15	94.7	8.8	5,638.0	254	2.7	1,717.1	1,088	11.5	7,355.1	
06	073	008354	2	Block Group 2	2,538	115.2	0.18	115.2	22.0	14,105.3	69	0.6	383.5	2,607	22.6	14,488.8	
06	073	008509	3	Block Group 3	578	70.3	0.11	70.3	8.2	5,260.6	18	0.3	163.8	596	8.5	5,424.5	
06	073	009301	4	Block Group 4	1,193	40.4	0.06	40.4	29.6	18,914.1	70	1.7	1,109.8	1,263	31.3	20,023.9	
06	073	010107	2	Block Group 2	782	91.6	0.14	91.6	8.5	5,464.7	99	1.1	691.8	881	9.6	6,156.5	
06	073	017042	2	Block Group 2	2,121	74.8	0.12	74.8	28.4	18,149.4	31	0.4	265.3	2,152	28.8	18,414.7	
06	073	003201	2	Block Group 2	2,157	151.6	0.24	151.6	14.2	9,105.3	78	0.5	329.3	2,235	14.7	9,434.6	
06	073	005600	2	Block Group 2	1,847	1318.1	2.06	1318.1	1.4	896.8	3,773	2.9	1,832.0	5,620	4.3	2,728.9	
06	073	009602	3	Block Group 3	955	84.0	0.13	84.0	11.4	7,277.5	16	0.2	121.9	971	11.6	7,399.4	
06	073	008329	3	Block Group 3	2,193	82.6	0.13	82.6	26.5	16,982.3	99	1.2	766.6	2,292	27.7	17,748.9	
06	073	002801	1	Block Group 1	1,723	494.6	0.77	494.6	3.5	2,229.4	63	0.1	81.5	1,786	3.6	2,310.9	
06	073	003202	2	Block Group 2	2,829	205.6	0.32	205.6	13.8	8,806.7	61	0.3	189.9	2,890	14.1	8,996.6	
06	073	003107	1	Block Group 1	3,064	212.5	0.33	212.5	14.4	9,229.0	227	1.1	683.7	3,291	15.5	9,912.7	
06	073	010104	1	Block Group 1	1,581	237.6	0.37	237.6	6.7	4,257.7	40	0.2	107.7	1,621	6.8	4,365.4	
06	073	008504	5	Block Group 5	1,995	292.7	0.46	292.7	6.8	4,362.6	60	0.2	131.2	2,055	7.0	4,493.8	
06	073	017032	2	Block Group 2	3,329	243.3	0.38	243.3	13.7	8,756.8	160	0.7	420.9	3,489	14.3	9,177.7	
06	073	007502	2	Block Group 2	961	98.1	0.15	48.7	19.7	6,266.5	556	11.4	3,625.6	1,517	15.5	9,892.1	
06	073	003105	1	Block Group 1	2,902	206.8	0.32	206.8	14.0	8,982.9	180	0.9	557.2	3,082	14.9	9,540.1	
06	073	008502	5	Block Group 5	1,733	140.8	0.22	140.8	12.3	7,879.1	1,348	9.6	6,128.7	3,081	21.9	14,007.8	
06	073	003107	3	Block Group 3	1,010	71.4	0.11	71.4	14.1	9,055.9	84	1.2	753.2	1,094	15.3	9,809.1	
06	073	003212	2	Block Group 2	2,825	198.6	0.31	198.6	14.2	9,101.9	259	1.3	834.5	3,084	15.5	9,936.3	
06	073	008102	3	Block Group 3	1,673	115.6	0.18	115.6	14.5	9,258.4	282	2.4	1,560.6	1,955	16.9	10,819.0	
06	073	003208	2	Block Group 2	695	52.8	0.08	52.8	13.2	8,417.2	12	0.2	145.3	707	13.4	8,562.6	
06	073	003109	1	Block Group 1	1,260	91.6	0.14	91.6	13.8	8,806.8	90	1.0	629.1	1,350	14.7	9,435.9	
06	073	008353	1	Block Group 1	1,255	62.7	0.10	62.7	20.0	12,800.8	21	0.3	214.2	1,276	20.3	13,015.0	
06	073	003212	1	Block Group 1	1,481	114.9	0.18	114.9	12.9	8,249.9	26	0.2	144.8	1,507	13.1	8,394.8	
06	073	008364	3	Block Group 3	2,062	84.8	0.13	84.8	24.3	15,570.2	300	3.5	2,265.3	2,362	27.9	17,835.5	
06	073	009802	4	Block Group 4	2,550	144.3	0.23	144.3	17.7	11,306.3	92	0.6	407.9	2,642	18.3	11,714.2	
06	073	001100	1	Block Group 1	1,210	158.4	0.25	158.4	7.6	4,887.8	424	2.7	1,712.7	1,634	10.3	6,600.5	
06	073	008349	1	Block Group 1	1,499	75.8	0.12	75.8	19.8	12,663.4	36	0.5	304.1	1,535	20.3	12,967.5	
06	073	008512	3	Block Group 3	2,348	348.0	0.54	348.0	6.7	4,318.1	119	0.3	218.8	2,467	7.1	4,537.0	
06	073	008502	4	Block Group 4	1,054	183.9	0.29	183.9	5.7	3,668.9	32	0.2	111.4	1,086	5.9	3,780.3	
06	073	017052	3	Block Group 3	1,218	79.0	0.12	79.0	15.4	9,870.4	39	0.5	316.0	1,257	15.9	10,186.4	
06	073	001900	2	Block Group 2	1,341	200.8	0.31	200.8	6.7	4,274.8	374	1.9	1,192.2	1,715	8.5	5,467.1	
06	073	008502	1	Block Group 1	2,034	344.3	0.54	344.3	5.9	3,780.5	114	0.3	211.9	2,148	6.2	3,992.4	
06	073	009201	2	Block Group 2	1,674	62.3	0.10	62.3	26.9	17,199.4	16	0.3	164.4	1,690	27.1	17,363.8	
06	073	008600	3	Block Group 3	747	53.2	0.08	53.2	14.0	8,990.1	198	3.7	2,382.9	945	17.8	11,373.0	
06	073	007302	3	Block Group 3	663	70.8	0.11	70.8	9.4	5,994.7	47	0.7	425.0	710	10.0	6,419.7	
06	073	009511	1	Block Group 1	1,729	74.5	0.12	74.5	23.2	14,855.8	260	3.5	2,234.0	1,989	26.7	17,089.8	
06	073	009705	1	Block Group 1	900	91.5	0.14	91.5	9.8	6,296.8	40	0.4	279.9	940	10.3	6,576.7	
06	073	017056	2	Block Group 2	1,921	122.1	0.19	122.1	15.7	10,066.9	177	1.4	927.6	2,098	17.2	10,994.4	
06	073	008102	2	Block Group 2	1,116	95.1	0.15	95.1	11.7	7,512.8	60	0.6	403.9	1,176	12.4	7,916.7	
06	073	009704	1	Block Group 1	1,414	151.4	0.24	151.4	9.3	5,975.9	26	0.2	109.9	1,440	9.5	6,085.8	
06	073	003213	1	Block Group 1	2,072	166.2	0.26	166.2	12.5	7,978.8	141	0.8	543.0	2,213	13.3	8,521.7	
06	073	009104	2	Block Group 2	2,245	288.3	0.45	288.3	7.8	4,983.2	183	0.6	406.2	2,428	8.4	5,389.4	
06	073	009101	4	Block Group 4	1,626	216.5	0.34	216.5	7.5	4,805.6	102	0.5	301.5	1,728	8.0	5,107.0	
06	073	003103	1	Block Group 1	1,876	158.2	0.25	158.2	11.9	7,590.5	54	0.3	218.5	1,930	12.2	7,809.0	
06	073	008312	2	Block Group 2	1,255	166.4	0.26	166.4	7.5	4,827.1	187	1.1	719.3	1,442	8.7	5,546.4	
06	073	008513	1	Block Group 1	1,866	277.4	0.43	277.4	6.7	4,304.4	253	0.9	583.6	2,119	7.6	4,888.0	
06	073	008347	3	Block Group 3	1,783	96.7	0.15	96.7	18.4	11,797.2	16	0.2	105.9	1,799	18.6	11,903.0	
06	073	017031	1	Block Group 1	1,157	102.4	0.16	102.4	11.3	7,234.6	21	0.2	131.3	1,178	11.5	7,365.9	
06	073	007200	1	Block Group 1	2,315	276.9	0.43	274.1	8.4	5,349.7	77	0.3	177.9	2,392	8.6	5,527.7	
06	073	009103	3	Block Group 3	1,112	151.8	0.24	151.8	7.3	4,689.7	73	0.5	307.9	1,185	7.8	4,997.5	
06	073	003208	5	Block Group 5	2,103	165.3	0.26	165.3	12.7	8,140.0	242	1.5	936.7	2,345	14.2	9,076.7	
06	073	017019	1	Block Group 1	2,529	231.6	0.36	231.6	10.9	6,988.3	25	0.1	69.1	2,554	11.0	7,057.4	
06	073	009706	2	Block Group 2	1,480	142.4	0.22	142.4	10.4	6,651.0	229	1.6	1,029.1	1,709	12.0	7,680.1	
06	073	003209	2	Block Group 2	1,554	120.8	0.19	120.8	12.9	8,233.3	233	1.9	1,234.5	1,787	14.8	9,467.7	
06	073	008350	3	Block Group 3	1,026	56.7	0.09	56.7	18.1	11,588.6	20	0.4	225.9	1,046	18.5	11,814.5	
06	073	003201	3	Block Group 3	1,934	173.8	0.27	173.8	11.1	7,120.9	36	0.2	132.6	1,970	11.3	7,253.4	
06	073	008343	2	Block Group 2	1,437	68.4	0.11	68.4	21.0	13,453.0	15	0.2	140.4	1,452	21.2	13,593.4	
06	073	021400	3	Block Group 3	1,432	94.3	0.15	94.0	15.2	9,723.3	1,756	18.7	11,923.2	3,188	33.8	21,646.5	
06	073	003114	2	Block Group 2	2,324	205.7	0.32	205.7	11.3	7,229.3	88	0.4	273.7	2,412	11.7	7,503.0	
06	073	003103	2	Block Group 2	2,432	218.8	0.34	218.8	11.1	7,115.0	72	0.3	210.6	2,504	11.4	7,325.6	
06	073	008357	1	Block Group 1	1,501	79.6	0.12	79.6	18.9	12,070.0	143	1.8	1,149.9	1,644	20.7	13,219.9	
06	073	008701	2	Block Group 2	1,667	130.7	0.20	130.7	12.8	8,163.6	464	3.6	2,272.3	2,131	16.3	10,435.9	
06	073	009000	2	Block Group 2	1,424	145.6	0.23	145.6	9.8	6,260.2	23	0.2	101.1	1,447	9.9	6,361.3	
06	073	014102	1	Block Group 1	2,554	230.4	0.36	230.4	11.1	7,094.4	110	0.5	305.6	2,664	11.6	7,399.9	
06	073	008351	4	Block Group 4	1,651	91.2	0.14	91.2	18.1	11,585.0	81	0.9	568.4	1,732	19.0	12,153.3	
06	073	009703	1	Block Group													

STATE	FPCOUNTY	FTRACT	CEBLKGR	PCE	NAMESAD	pop	acres	Sq Miles	adj_ acre	popden (Acre	Popden (m2)	jobs	empden (Acre	empden (m2)	Service Pop	psden (Acre	psden (m2)
06	073	007100	1		Block Group 1	1,551	186.7	0.29	184.4	8.4	5,317.8	169	0.9	579.4	1,720	9.2	5,897.3
06	073	008505	4		Block Group 4	962	228.8	0.36	228.8	4.2	2,691.4	62	0.3	173.5	1,024	4.5	2,864.8
06	073	007800	2		Block Group 2	651	114.6	0.18	114.6	5.7	3,636.5	329	2.9	1,837.8	980	8.6	5,474.3
06	073	008504	4		Block Group 4	1,041	108.0	0.17	108.0	9.6	6,166.3	712	6.6	4,217.5	1,753	16.2	10,383.8
06	073	007600	2		Block Group 2	815	104.2	0.16	101.5	8.0	5,006.7	803	7.9	4,933.0	1,618	15.5	9,939.7
06	073	008800	3		Block Group 3	1,566	160.5	0.25	160.5	9.8	6,244.9	67	0.4	267.2	1,633	10.2	6,512.1
06	073	008006	1		Block Group 1	691	205.5	0.32	72.2	9.6	2,152.2	156	2.2	485.9	847	4.1	2,638.1
06	073	009103	1		Block Group 1	776	118.0	0.18	118.0	6.6	4,209.2	88	0.7	477.3	864	7.3	4,686.5
06	073	007910	1		Block Group 1	1,382	180.1	0.28	102.5	13.5	4,910.3	1,462	14.3	5,194.5	2,844	15.8	10,104.8
06	073	008901	2		Block Group 2	510	55.1	0.09	55.1	9.3	5,926.5	19	0.3	220.8	529	9.6	6,147.3
06	073	005400	1		Block Group 1	1,075	142.4	0.22	118.5	9.1	4,833.1	6,203	52.3	27,887.9	7,278	51.1	32,720.9
06	073	017030	2		Block Group 2	1,274	128.0	0.20	128.0	10.0	6,372.2	53	0.4	265.1	1,327	10.4	6,637.3
06	073	010001	2		Block Group 2	3,025	453.6	0.71	453.6	6.7	4,267.8	696	1.5	981.9	3,721	8.2	5,249.7
06	073	009101	1		Block Group 1	906	173.8	0.27	173.8	5.2	3,337.0	221	1.3	814.0	1,127	6.5	4,151.0
06	073	009705	3		Block Group 3	1,540	198.4	0.31	198.4	7.8	4,968.7	107	0.5	345.2	1,647	8.3	5,313.9
06	073	003109	3		Block Group 3	1,156	116.7	0.18	116.7	9.9	6,340.8	52	0.4	285.2	1,208	10.4	6,626.0
06	073	008357	3		Block Group 3	2,130	97.4	0.15	97.4	21.9	13,992.4	1,409	14.5	9,256.0	3,539	36.3	23,248.4
06	073	009706	6		Block Group 6	848	119.9	0.19	119.9	7.1	4,528.2	25	0.2	133.5	873	7.3	4,661.7
06	073	003113	1		Block Group 1	2,186	231.1	0.36	231.1	9.5	6,052.6	49	0.2	135.7	2,235	9.7	6,188.3
06	073	009306	3		Block Group 3	1,301	51.8	0.08	51.8	25.1	16,083.4	137	2.6	1,693.6	1,438	27.8	17,777.1
06	073	008503	3		Block Group 3	1,472	316.8	0.50	316.8	4.6	2,973.3	311	1.0	628.2	1,783	5.6	3,601.5
06	073	017018	1		Block Group 1	2,569	173.0	0.27	173.0	14.9	9,506.3	662	3.8	2,449.7	3,231	18.7	11,956.0
06	073	008347	2		Block Group 2	1,681	100.9	0.16	100.9	16.7	10,666.3	77	0.8	488.6	1,758	17.4	11,154.9
06	073	008505	1		Block Group 1	1,540	313.8	0.49	313.8	4.9	3,140.5	295	0.9	601.6	1,835	5.8	3,742.1
06	073	009604	1		Block Group 1	628	71.3	0.11	71.3	8.8	5,633.2	127	1.8	1,139.2	755	10.6	6,772.4
06	073	017033	1		Block Group 1	1,792	73.5	0.11	73.5	24.4	15,608.4	161	2.2	1,402.3	1,953	26.6	17,010.7
06	073	003115	3		Block Group 3	1,057	107.3	0.17	107.3	9.8	6,303.4	77	0.7	459.2	1,134	10.6	6,762.6
06	073	002001	2		Block Group 2	1,610	428.4	0.67	428.4	3.8	2,405.0	532	1.2	794.7	2,142	5.0	3,199.7
06	073	008702	3		Block Group 3	1,124	47.8	0.07	47.8	23.5	15,036.0	12	0.3	160.5	1,136	23.7	15,196.5
06	073	008306	3		Block Group 3	1,367	475.1	0.74	475.1	2.9	1,841.3	121	0.3	163.0	1,488	3.1	2,004.3
06	073	009103	4		Block Group 4	992	119.1	0.19	119.1	8.3	5,329.4	465	3.9	2,498.1	1,457	12.2	7,827.5
06	073	008510	4		Block Group 4	1,613	181.3	0.28	181.3	8.9	5,692.8	1,464	8.1	5,166.9	3,077	17.0	10,859.7
06	073	009604	2		Block Group 2	542	80.7	0.13	80.7	6.7	4,300.9	31	0.4	246.0	573	7.1	4,546.9
06	073	007800	1		Block Group 1	1,575	162.0	0.25	159.1	9.9	6,222.2	1,199	7.5	4,736.8	2,774	17.1	10,959.0
06	073	007002	3		Block Group 3	495	89.0	0.14	89.0	5.6	3,559.7	22	0.2	158.2	517	5.8	3,717.9
06	073	009705	2		Block Group 2	1,803	298.0	0.47	298.0	6.1	3,872.7	44	0.1	94.5	1,847	6.2	3,967.2
06	073	009104	1		Block Group 1	987	137.6	0.22	137.6	7.2	4,590.4	362	2.6	1,683.6	1,349	9.8	6,274.0
06	073	008101	5		Block Group 5	596	57.0	0.09	57.0	10.5	6,696.7	153	2.7	1,719.1	749	13.1	8,415.9
06	073	006200	1		Block Group 1	23	809.5	1.26	800.6	0.0	18.2	4,753	5.9	3,757.9	4,776	5.9	3,776.1
06	073	017039	1		Block Group 1	750	67.2	0.10	67.2	11.2	7,146.4	13	0.2	123.9	763	11.4	7,270.3
06	073	017034	2		Block Group 2	879	81.0	0.13	81.0	10.8	6,941.5	17	0.2	134.2	896	11.1	7,075.7
06	073	009106	2		Block Group 2	3,067	218.0	0.34	218.0	14.1	9,002.9	3,273	15.0	9,607.6	6,340	29.1	18,610.5
06	073	008313	1		Block Group 1	1,011	297.3	0.46	297.3	3.4	2,176.5	112	0.4	241.1	1,123	3.8	2,417.7
06	073	007002	2		Block Group 2	762	125.4	0.20	125.4	6.1	3,889.5	111	0.9	566.6	873	7.0	4,456.0
06	073	007100	2		Block Group 2	2,455	383.6	0.60	383.6	6.4	4,096.0	439	1.1	732.4	2,894	7.5	4,828.5
06	073	008504	3		Block Group 3	1,099	242.0	0.38	242.0	4.5	2,906.6	413	1.7	1,092.3	1,512	6.2	3,998.9
06	073	009510	3		Block Group 3	1,211	65.5	0.10	65.5	18.5	11,834.6	124	1.9	1,211.8	1,335	20.4	13,046.4
06	073	017052	1		Block Group 1	2,152	193.4	0.30	192.4	11.2	7,121.1	120	0.6	397.1	2,272	11.7	7,518.2
06	073	008348	3		Block Group 3	2,124	146.1	0.23	146.1	14.5	9,304.7	32	0.2	140.2	2,156	14.8	9,444.9
06	073	009804	3		Block Group 3	822	67.3	0.11	67.3	12.2	7,811.9	17	0.3	161.6	839	12.5	7,973.4
06	073	009706	3		Block Group 3	1,658	129.4	0.20	129.4	12.8	8,199.9	124	1.0	613.3	1,782	13.8	8,813.2
06	073	009506	2		Block Group 2	1,888	109.7	0.17	109.7	17.2	11,010.8	70	0.6	408.2	1,958	17.8	11,419.0
06	073	009805	4		Block Group 4	1,728	140.8	0.22	140.8	12.3	7,854.8	66	0.5	300.0	1,794	12.7	8,154.8
06	073	008313	2		Block Group 2	1,184	290.7	0.45	290.7	4.1	2,606.7	284	1.0	625.3	1,468	5.0	3,231.9
06	073	017051	3		Block Group 3	1,998	275.6	0.43	275.6	7.2	4,639.0	76	0.3	176.5	2,074	7.5	4,815.4
06	073	009602	4		Block Group 4	711	117.2	0.18	117.2	6.1	3,881.0	90	0.8	491.3	801	6.8	4,372.3
06	073	010109	1		Block Group 1	1,998	3047.3	4.76	2933.5	0.7	419.6	142	0.0	29.8	2,140	0.7	449.4
06	073	009804	2		Block Group 2	833	70.8	0.11	70.8	11.8	7,525.2	18	0.3	162.6	851	12.0	7,687.8
06	073	017055	2		Block Group 2	1,891	147.1	0.23	147.1	12.9	8,226.2	569	3.9	2,475.2	2,460	16.7	10,701.4
06	073	009804	4		Block Group 4	1,489	128.7	0.20	128.7	11.6	7,401.6	18	0.1	89.5	1,507	11.7	7,491.1
06	073	009704	5		Block Group 5	1,403	115.0	0.18	115.0	12.2	7,808.9	97	0.8	539.9	1,500	13.0	8,348.8
06	073	008600	1		Block Group 1	2,965	503.2	0.79	503.2	5.9	3,770.7	90	0.2	114.5	3,055	6.1	3,885.2
06	073	008312	4		Block Group 4	1,338	177.2	0.28	176.6	7.6	4,832.7	1,243	7.0	4,489.6	2,581	14.6	9,322.4
06	073	008352	2		Block Group 2	1,125	79.3	0.12	79.3	14.2	9,084.3	72	0.9	581.4	1,197	15.1	9,665.7
06	073	009703	3		Block Group 3	1,390	217.0	0.34	217.0	6.4	4,099.2	311	1.4	917.2	1,701	7.8	5,016.4
06	073	017052	2		Block Group 2	2,110	270.7	0.42	270.7	7.8	4,988.9	302	1.1	714.0	2,412	8.9	5,702.9
06	073	009604	3		Block Group 3	1,343	94.7	0.15	94.7	14.2	9,075.6	3,768	39.8	25,463.0	5,111	54.0	34,538.6
06	073	009106	3		Block Group 3	790	107.4	0.17	107.4	7.4	4,707.2	572	5.3	3,408.3	1,362	12.7	8,115.5
06	073	008507	1		Block Group 1	983	236.3	0.37	236.3	4.2	2,662.0	426	1.8	1,153.6	1,409	6.0	3,815.6
06	073	008101	2		Block Group 2	899	74.7	0.12	74.7	12.0	7,699.4	757	10.1	6,483.2	1,656	22.2	14,182.6
06	073	008301	3		Block Group 3	906	114.2	0.18	114.2	7.9	5,078.1	23	0.2	128.9	929	8.1	5,207.1
06	073	007200	2		Block Group 2	3,767	591.5	0.92	405.6	9.3	4,075.5	1,348	3.3	1,458.4	5,115	8.6	5,533.9
06	073	008330	2		Block Group 2	2,821	142.0	0.22	142.0	19.9	12,713.3	338	2.4	1,523.3	3,159	22.2	14,236.6
06	073	009706	7		Block Group 7	797	161.6	0.25	161.6	4.9	3,155.5						

STATE	FPCOUNTY	FPTRACT	CBLKGRP	CE	RPRCE	NAMELSAD	pop	acres	Sq Miles	adj_acre	popden (Acre	Popden (m2	jobs	empden (Acre	empden (m2	Service Pop	psden (Acre	psden (m2)
06	073	008501	2	Block Group 2	2,089	441.2	0.69	441.2	4.7	3,030.6	1,644	3.7	2,385.0	3,733	8.5	5,415.7		
06	073	008509	5	Block Group 5	743	101.9	0.16	101.9	7.3	4,664.9	1,030	10.1	6,466.8	1,773	17.4	11,131.7		
06	073	017014	2	Block Group 2	1,229	199.0	0.31	199.0	6.2	3,953.4	101	0.5	324.9	1,330	6.7	4,278.3		
06	073	017051	2	Block Group 2	1,577	136.3	0.21	136.3	11.6	7,405.2	515	3.8	2,418.3	2,092	15.3	9,823.6		
06	073	008901	3	Block Group 3	1,977	125.3	0.20	125.3	15.8	10,098.9	9,125	72.8	46,612.4	11,102	88.6	56,711.3		
06	073	008340	1	Block Group 1	3,550	229.2	0.36	229.2	15.5	9,910.8	92	0.4	256.8	3,642	15.9	10,167.6		
06	073	017019	2	Block Group 2	1,574	306.4	0.48	306.4	5.1	3,287.4	49	0.2	102.3	1,623	5.3	3,389.8		
06	073	008312	3	Block Group 3	577	290.8	0.45	290.8	2.0	1,270.0	145	0.5	319.2	722	2.5	1,589.2		
06	073	008311	2	Block Group 2	1,360	203.9	0.32	203.9	6.7	4,268.7	42	0.2	131.8	1,402	6.9	4,400.6		
06	073	009602	1	Block Group 1	1,564	219.9	0.34	219.9	7.1	4,551.4	852	3.9	2,479.4	2,416	11.0	7,030.8		
06	073	010103	1	Block Group 1	2,145	1225.8	1.92	1202.0	1.8	1,119.9	930	0.8	485.5	3,075	2.5	1,605.4		
06	073	008501	3	Block Group 3	861	145.7	0.23	145.7	5.9	3,783.1	1,229	8.4	5,400.1	2,090	14.3	9,183.2		
06	073	009706	5	Block Group 5	946	218.2	0.34	218.2	4.3	2,775.1	185	0.8	542.7	1,131	5.2	3,317.8		
06	073	009505	4	Block Group 4	2,262	157.0	0.25	157.0	14.4	9,223.3	45	0.3	183.5	2,307	14.7	9,406.7		
06	073	017051	1	Block Group 1	1,504	202.0	0.32	202.0	7.4	4,766.2	24	0.1	76.1	1,528	7.6	4,842.3		
06	073	008358	3	Block Group 3	2,204	134.0	0.21	134.0	16.4	10,527.1	1,075	8.0	5,134.6	3,279	24.5	15,661.6		
06	073	008340	4	Block Group 4	2,488	123.6	0.19	123.6	20.1	12,878.9	1,789	14.5	9,260.6	4,277	34.6	22,139.4		
06	073	008503	1	Block Group 1	1,809	356.5	0.56	356.5	5.1	3,247.3	2,250	6.3	4,038.9	4,059	11.4	7,286.3		
06	073	009706	4	Block Group 4	596	66.7	0.10	66.7	8.9	5,722.7	4	0.1	38.4	600	9.0	5,761.1		
06	073	008310	3	Block Group 3	3,194	458.1	0.72	458.1	7.0	4,462.7	355	0.8	496.0	3,549	7.7	4,958.7		
06	073	017015	1	Block Group 1	808	175.5	0.27	175.5	4.6	2,946.7	61	0.3	222.5	869	5.0	3,169.1		
06	073	009507	3	Block Group 3	859	228.1	0.36	228.1	3.8	2,410.3	179	0.8	502.3	1,038	4.6	2,912.6		
06	073	009801	1	Block Group 1	1,224	123.6	0.19	123.6	9.9	6,339.4	136	1.1	704.4	1,360	11.0	7,043.7		
06	073	008349	2	Block Group 2	2,260	161.4	0.25	161.4	14.0	8,961.0	712	4.4	2,823.1	2,972	18.4	11,784.1		
06	073	017015	2	Block Group 2	845	189.3	0.30	189.3	4.5	2,856.9	78	0.4	263.7	923	4.9	3,120.6		
06	073	008311	1	Block Group 1	1,688	416.7	0.65	416.7	4.1	2,592.6	155	0.4	238.1	1,843	4.4	2,830.7		
06	073	009801	2	Block Group 2	1,351	156.7	0.24	156.7	8.6	5,518.2	70	0.4	285.9	1,421	9.1	5,804.1		
06	073	008345	2	Block Group 2	1,779	131.0	0.20	131.0	13.6	8,692.6	47	0.4	229.7	1,826	13.9	8,922.2		
06	073	009706	1	Block Group 1	1,191	747.2	1.17	568.3	2.1	1,020.1	85	0.1	72.8	1,276	1.7	1,092.9		
06	073	009509	1	Block Group 1	2,647	734.7	1.15	695.1	3.8	2,305.7	1,022	1.5	890.2	3,669	5.0	3,196.0		
06	073	009804	1	Block Group 1	1,880	187.7	0.29	187.7	10.0	6,410.8	350	1.9	1,193.5	2,230	11.9	7,604.3		
06	073	008347	1	Block Group 1	3,132	308.5	0.48	308.5	10.2	6,497.7	64	0.2	132.8	3,196	10.4	6,630.5		
06	073	021400	1	Block Group 1	4,009	641.7	1.00	594.7	6.7	3,998.5	3,642	6.1	3,632.5	7,651	11.9	7,631.0		
06	073	008701	1	Block Group 1	1,445	286.7	0.45	286.7	5.0	3,226.1	415	1.4	926.5	1,860	6.5	4,152.6		
06	073	017030	3	Block Group 3	941	129.3	0.20	129.3	7.3	4,659.1	475	3.7	2,351.8	1,416	11.0	7,010.9		
06	073	008351	1	Block Group 1	1,166	78.7	0.12	78.7	14.8	9,484.2	759	9.6	6,173.7	1,925	24.5	15,657.9		
06	073	008200	3	Block Group 3	847	117.3	0.18	117.3	7.2	4,621.6	2,606	22.2	14,219.4	3,453	29.4	18,841.0		
06	073	008510	3	Block Group 3	1,682	97.5	0.15	97.5	17.3	11,040.7	75	0.8	492.3	1,757	18.0	11,533.0		
06	073	008361	1	Block Group 1	2,045	116.6	0.18	116.6	17.5	11,225.8	1,330	11.4	7,300.9	3,375	28.9	18,526.8		
06	073	008355	2	Block Group 2	2,324	174.7	0.27	174.7	13.3	8,515.5	880	5.0	3,224.5	3,204	18.3	11,740.0		
06	073	008310	2	Block Group 2	1,769	353.2	0.55	353.2	5.0	3,205.4	224	0.6	405.9	1,993	5.6	3,611.3		
06	073	008301	2	Block Group 2	930	223.6	0.35	223.6	4.2	2,661.9	52	0.2	148.8	982	4.4	2,810.7		
06	073	009805	1	Block Group 1	1,244	182.9	0.29	182.9	6.8	4,352.9	32	0.2	112.0	1,276	7.0	4,464.8		
06	073	008351	2	Block Group 2	476	52.3	0.08	52.3	9.1	5,829.1	16	0.3	195.9	492	9.4	6,025.0		
06	073	017015	4	Block Group 4	1,313	174.4	0.27	174.4	7.5	4,818.9	1,024	5.9	3,758.2	2,337	13.4	8,577.1		
06	073	008364	1	Block Group 1	1,420	99.9	0.16	99.9	14.2	9,095.5	325	3.3	2,081.7	1,745	17.5	11,177.2		
06	073	007600	3	Block Group 3	1,175	1703.0	2.66	465.3	2.5	441.6	1,836	3.9	690.0	3,011	1.8	1,131.6		
06	073	008335	3	Block Group 3	8,601	939.4	1.47	939.4	9.2	5,859.7	461	0.5	314.1	9,062	9.6	6,173.7		
06	073	008327	1	Block Group 1	2,197	153.8	0.24	153.8	14.3	9,145.1	104	0.7	432.9	2,301	15.0	9,578.0		
06	073	017019	3	Block Group 3	2,299	1018.1	1.59	1018.1	2.3	1,445.2	231	0.2	145.2	2,530	2.5	1,590.4		
06	073	008344	2	Block Group 2	1,720	147.1	0.23	147.1	11.7	7,483.5	59	0.4	256.7	1,779	12.1	7,740.2		
06	073	008348	1	Block Group 1	2,526	290.8	0.45	290.8	8.7	5,559.6	103	0.4	226.7	2,629	9.0	5,786.3		
06	073	008301	1	Block Group 1	1,160	243.1	0.38	243.1	4.8	3,054.1	208	0.9	547.6	1,368	5.6	3,601.7		
06	073	009801	3	Block Group 3	1,260	189.4	0.30	189.4	6.7	4,257.0	86	0.5	290.6	1,346	7.1	4,547.6		
06	073	008310	1	Block Group 1	1,573	465.1	0.73	465.1	3.4	2,164.7	99	0.2	136.2	1,672	3.6	2,300.9		
06	073	017034	1	Block Group 1	2,420	479.9	0.75	479.9	5.0	3,227.3	221	0.5	294.7	2,641	5.5	3,522.0		
06	073	008330	1	Block Group 1	3,193	236.9	0.37	236.9	13.5	8,626.1	79	0.3	213.4	3,272	13.8	8,839.5		
06	073	008200	1	Block Group 1	962	89.8	0.14	89.8	10.7	6,855.2	2,786	31.0	19,853.1	3,748	41.7	26,708.3		
06	073	009704	3	Block Group 3	1,633	284.9	0.45	284.9	5.7	3,668.7	56	0.2	125.8	1,689	5.9	3,794.5		
06	073	009805	3	Block Group 3	1,132	184.8	0.29	184.8	6.1	3,919.8	83	0.4	287.4	1,215	6.6	4,207.2		
06	073	008347	4	Block Group 4	441	54.1	0.08	54.1	8.2	5,218.9	23	0.4	272.2	464	8.6	5,491.1		
06	073	017036	2	Block Group 2	1,004	67.9	0.11	67.9	14.8	9,459.5	7	0.1	66.0	1,011	14.9	9,525.5		
06	073	008102	1	Block Group 1	753	259.9	0.41	126.2	6.0	1,854.6	215	1.7	529.5	968	3.7	2,384.1		
06	073	008354	1	Block Group 1	7,324	601.3	0.94	601.3	12.2	7,795.0	168	0.3	178.8	7,492	12.5	7,973.8		
06	073	008303	2	Block Group 2	1,868	536.2	0.84	536.2	3.5	2,229.6	275	0.5	328.2	2,143	4.0	2,557.8		
06	073	008353	2	Block Group 2	2,722	372.0	0.58	372.0	7.3	4,683.5	39	0.1	67.1	2,761	7.4	4,750.6		
06	073	008358	1	Block Group 1	1,755	174.9	0.27	174.9	10.0	6,422.1	481	2.8	1,760.1	2,236	12.8	8,182.2		
06	073	017044	2	Block Group 2	3,306	273.6	0.43	273.6	12.1	7,733.8	141	0.5	329.8	3,447	12.6	8,063.6		
06	073	008303	1	Block Group 1	1,203	381.3	0.60	381.3	3.2	2,019.1	479	1.3	803.9	1,682	4.4	2,823.0		
06	073	009901	1	Block Group 1	809	1797.1	2.81	1366.1	0.6	288.1	335	0.2	119.3	1,144	0.6	407.4		
06	073	009506	1	Block Group 1	2,548	266.8	0.42	266.8	9.5	6,111.3	48	0.2	115.1	2,596	9.7	6,226.4		
06	073	008360	1	Block Group 1	1,961	139.7	0.22	139.7	14.0	8,981.0	1,874	13.4	8,582.6	3,835	27.4	17,563.6		
06	073	009802	1	Block Group 1	936	143.3	0.22	143.3	6.5	4,181.0	179	1.2	799.6	1,115	7.8	4,980.5		
06	073	017022	2	Block Group 2	687	88.6	0.14	88.6	7.8	4,964.5	44	0.5	318.0	731	8.3	5,282.5		
06	073	016606	1	Block Group 1	2,253	455.3	0.71	446.6	5.0	3,166.7	165	0.4	231.9	2,418	5.3	3,398.6		
06	073	009511	2															

STATE	FPCOUNTY	FTRACT	CEBLKGR	PCE	NAMESAD	pop	acres	Sq Miles	adj_	acre	popden (Acre	Popden (m2)	jobs	empden (Acre	empden (m2)	Service Pop	psden (Acre	spden (m2)
06	073	017039	2	Block Group 2	3,956	416.3	0.65	416.3	9.5	6,081.2	4,922	11.8	7,566.1	8,878	21.3	13,647.3		
06	073	008336	1	Block Group 1	919	69.0	0.11	69.0	13.3	8,522.8	11	0.2	102.0	930	13.5	8,624.8		
06	073	008345	3	Block Group 3	1,286	107.5	0.17	107.5	12.0	7,659.0	373	3.5	2,221.5	1,659	15.4	9,880.5		
06	073	008337	3	Block Group 3	1,616	124.3	0.19	124.3	13.0	8,322.8	36	0.3	185.4	1,652	13.3	8,508.2		
06	073	009304	2	Block Group 2	1,712	618.0	0.97	572.3	3.0	1,773.1	#####	32.1	19,010.7	20,068	32.5	20,783.8		
06	073	017046	2	Block Group 2	1,188	110.5	0.17	110.5	10.8	6,882.3	71	0.6	411.3	1,259	11.4	7,293.6		
06	073	009604	4	Block Group 4	1,065	205.0	0.32	205.0	5.2	3,324.8	2,147	10.5	6,702.7	3,212	15.7	10,027.6		
06	073	017022	3	Block Group 3	634	102.6	0.16	102.6	6.2	3,956.2	21	0.2	131.0	655	6.4	4,087.3		
06	073	009510	2	Block Group 2	2,383	280.8	0.44	280.8	8.5	5,432.2	121	0.4	275.8	2,504	8.9	5,708.0		
06	073	017037	1	Block Group 1	2,046	160.2	0.25	160.2	12.8	8,173.8	38	0.2	151.8	2,084	13.0	8,325.6		
06	073	017022	1	Block Group 1	995	94.8	0.15	94.8	10.5	6,715.3	70	0.7	472.4	1,065	11.2	7,187.7		
06	073	017036	1	Block Group 1	1,350	81.2	0.13	81.2	16.6	10,638.2	639	7.9	5,035.4	1,989	24.5	15,673.6		
06	073	017055	3	Block Group 3	1,809	248.5	0.39	248.5	7.3	4,658.5	1,669	6.7	4,298.0	3,478	14.0	8,956.6		
06	073	009304	1	Block Group 1	3,009	611.7	0.96	611.7	4.9	3,148.3	9,977	16.3	10,439.0	12,986	21.2	13,587.3		
06	073	008307	1	Block Group 1	1,018	129.9	0.20	129.9	7.8	5,016.6	41	0.3	202.0	1,059	8.2	5,218.6		
06	073	021500	2	Block Group 2	3,640	347.6	0.54	347.6	10.5	6,702.2	243	0.7	447.4	3,883	11.2	7,149.6		
06	073	009505	2	Block Group 2	1,233	172.3	0.27	172.3	7.2	4,579.8	32	0.2	118.9	1,265	7.3	4,698.7		
06	073	009502	2	Block Group 2	2,378	306.1	0.48	306.1	7.8	4,971.6	193	0.6	403.5	2,571	8.4	5,375.1		
06	073	009106	1	Block Group 1	1,082	265.9	0.42	265.9	4.1	2,604.7	5,420	20.4	13,047.4	6,502	24.5	15,652.1		
06	073	008365	1	Block Group 1	1,850	159.1	0.25	159.1	11.6	7,443.4	29	0.2	116.7	1,879	11.8	7,560.1		
06	073	009505	3	Block Group 3	2,683	334.9	0.52	334.2	8.0	5,127.7	280	0.8	535.1	2,963	8.8	5,662.8		
06	073	009301	1	Block Group 1	785	60.9	0.10	60.9	12.9	8,248.1	72	1.2	756.5	857	14.1	9,004.6		
06	073	017047	1	Block Group 1	1,563	161.8	0.25	161.8	9.7	6,184.1	115	0.7	455.0	1,678	10.4	6,639.2		
06	073	009507	1	Block Group 1	2,076	305.5	0.48	305.5	6.8	4,348.6	33	0.1	69.1	2,109	6.9	4,417.8		
06	073	008702	1	Block Group 1	2,181	280.0	0.44	280.0	7.8	4,984.5	#####	39.0	24,973.0	13,108	46.8	29,957.6		
06	073	008346	2	Block Group 2	1,827	448.7	0.70	448.7	4.1	2,605.8	19	0.0	27.1	1,846	4.1	2,632.9		
06	073	020710	1	Block Group 1	1,758	6326.0	9.88	6318.4	0.3	177.9	637	0.1	64.4	2,395	0.4	242.3		
06	073	008702	2	Block Group 2	1,956	339.1	0.53	339.1	5.8	3,691.8	4,707	13.9	8,884.0	6,663	19.6	12,575.8		
06	073	008359	1	Block Group 1	2,353	238.3	0.37	238.3	9.9	6,320.3	1,578	6.6	4,238.6	3,931	16.5	10,558.8		
06	073	008510	2	Block Group 2	1,990	158.9	0.25	158.9	12.5	8,012.8	179	1.1	720.8	2,169	13.6	8,733.6		
06	073	009301	3	Block Group 3	1,826	103.3	0.16	103.3	17.7	11,308.9	1,537	14.9	9,519.1	3,363	32.5	20,828.0		
06	073	008336	2	Block Group 2	1,504	135.7	0.21	135.7	11.1	7,092.2	24	0.2	113.2	1,528	11.3	7,205.4		
06	073	009802	5	Block Group 5	491	66.9	0.10	66.9	7.3	4,695.3	390	5.8	3,729.5	881	13.2	8,424.8		
06	073	008324	4	Block Group 4	1,539	155.7	0.24	155.7	9.9	6,327.4	138	0.9	567.4	1,677	10.8	6,894.8		
06	073	017043	1	Block Group 1	3,980	432.8	0.68	432.8	9.2	5,884.8	477	1.1	705.3	4,457	10.3	6,590.1		
06	073	009603	4	Block Group 4	1,044	241.6	0.38	241.5	4.3	2,765.7	5,433	22.5	14,392.7	6,477	26.8	17,158.4		
06	073	008337	1	Block Group 1	1,856	173.9	0.27	173.9	10.7	6,829.6	67	0.4	246.5	1,923	11.1	7,076.2		
06	073	008331	1	Block Group 1	2,524	235.8	0.37	235.8	10.7	6,851.2	568	2.4	1,541.8	3,092	13.1	8,392.9		
06	073	017022	4	Block Group 4	896	119.2	0.19	117.3	7.6	4,809.4	438	3.7	2,351.0	1,334	11.2	7,160.4		
06	073	017047	2	Block Group 2	1,239	162.6	0.25	162.6	7.6	4,876.7	56	0.3	220.4	1,295	8.0	5,097.1		
06	073	008307	2	Block Group 2	2,029	261.7	0.41	261.7	7.8	4,961.4	414	1.6	1,012.3	2,443	9.3	5,973.8		
06	073	008335	1	Block Group 1	912	89.3	0.14	89.3	10.2	6,535.7	42	0.5	301.0	954	10.7	6,836.7		
06	073	008335	2	Block Group 2	701	71.9	0.11	71.9	9.8	6,242.1	15	0.2	133.6	716	10.0	6,375.7		
06	073	008324	3	Block Group 3	576	63.7	0.10	63.7	9.0	5,787.6	74	1.2	743.5	650	10.2	6,531.1		
06	073	009805	2	Block Group 2	772	1340.6	2.09	1340.6	0.6	368.5	47	0.0	22.4	819	0.6	391.0		
06	073	017044	1	Block Group 1	2,390	323.1	0.50	323.1	7.4	4,733.6	122	0.4	241.6	2,512	7.8	4,975.3		
06	073	008902	2	Block Group 2	1,086	190.1	0.30	189.9	5.7	3,657.1	5,835	30.7	19,649.4	6,921	36.4	23,306.5		
06	073	008200	2	Block Group 2	1,091	279.9	0.44	113.5	9.6	2,494.8	2,552	22.5	5,835.7	3,643	13.0	8,330.5		
06	073	017014	1	Block Group 1	1,246	296.9	0.46	296.9	4.2	2,685.9	3,065	10.3	6,607.0	4,311	14.5	9,292.9		
06	073	017046	1	Block Group 1	2,590	822.5	1.29	686.9	3.8	2,015.2	259	0.4	201.5	2,849	3.5	2,216.7		
06	073	008358	2	Block Group 2	607	74.4	0.12	74.4	8.2	5,222.2	491	6.6	4,224.2	1,098	14.8	9,446.5		
06	073	010014	1	Block Group 1	3,945	4729.5	7.39	4726.6	0.8	533.8	3,428	0.7	463.9	7,373	1.6	997.7		
06	073	008337	2	Block Group 2	816	88.8	0.14	88.8	9.2	5,879.8	59	0.7	425.1	875	9.9	6,304.9		
06	073	017033	2	Block Group 2	664	81.6	0.13	81.6	8.1	5,205.2	4	0.0	31.4	668	8.2	5,236.6		
06	073	017047	3	Block Group 3	1,289	202.8	0.32	202.8	6.4	4,068.2	111	0.5	350.3	1,400	6.9	4,418.5		
06	073	009201	3	Block Group 3	1,408	167.6	0.26	167.6	8.4	5,375.5	22	0.1	84.0	1,430	8.5	5,459.5		
06	073	009305	2	Block Group 2	591	67.2	0.10	67.2	8.8	5,629.9	41	0.6	390.6	632	9.4	6,020.5		
06	073	017045	1	Block Group 1	2,714	487.0	0.76	487.0	5.6	3,566.7	142	0.3	186.6	2,856	5.9	3,753.3		
06	073	017043	2	Block Group 2	2,601	317.3	0.50	317.3	8.2	5,245.9	801	2.5	1,615.5	3,402	10.7	6,861.4		
06	073	008307	3	Block Group 3	823	149.9	0.23	149.9	5.5	3,513.8	161	1.1	687.4	984	6.6	4,201.1		
06	073	008344	1	Block Group 1	1,878	356.6	0.56	356.6	5.3	3,370.5	335	0.9	601.2	2,213	6.2	3,971.7		
06	073	008327	2	Block Group 2	2,715	377.5	0.59	377.5	7.2	4,602.7	418	1.1	708.6	3,133	8.3	5,311.3		
06	073	017037	2	Block Group 2	973	128.6	0.20	128.6	7.6	4,842.1	19	0.1	94.6	992	7.7	4,936.7		
06	073	008329	2	Block Group 2	1,806	134.9	0.21	134.9	13.4	8,567.0	2,466	18.3	11,697.9	4,272	31.7	20,264.9		
06	073	017042	1	Block Group 1	3,555	606.3	0.95	604.0	5.9	3,752.3	389	0.6	410.6	3,944	6.5	4,162.9		
06	073	008362	1	Block Group 1	1,452	155.0	0.24	155.0	9.4	5,994.5	1,343	8.7	5,544.5	2,795	18.0	11,538.9		
06	073	007600	1	Block Group 1	554	2759.2	4.31	1586.6	0.3	128.5	4,926	3.1	1,142.6	5,480	2.0	1,271.1		
06	073	021500	3	Block Group 3	690	108.3	0.17	108.3	6.4	4,076.8	101	0.9	596.8	791	7.3	4,673.6		
06	073	009306	2	Block Group 2	412	47.8	0.07	47.8	8.6	5,511.9	58	1.2	775.9	470	9.8	6,287.8		
06	073	008324	1	Block Group 1	2,609	450.0	0.70	450.0	5.8	3,710.6	263	0.6	374.0	2,872	6.4	4,084.6		
06	073	009507	2	Block Group 2	838	471.8	0.74	462.8	1.8	1,136.8	2	0.0	2.7	840	1.8	1,139.5		
06	073	017029	1	Block Group 1	6,778	5415.3	8.46	5403.9	1.3	801.0	1,158	0.2	136.9	7,936	1.5	937.9		
06	073	017056	1	Block Group 1	2,521	559.7	0.87	559.7	4.5	2,882.5	5,953	10.6	6,806.7	8,474	15.1	9,689.2		
06	073	009202	1	Block Group 1	2,843	431.8	0.67	431.8	6.6	4,213.6	76	0.2	112.6	2,919	6.8	4,326.2		
06	073	017037	4	Block Group 4	895	137.2	0.21	137.2	6.5	4,173.5	44	0.3	205.2	939	6.8	4,378.7		
06	073	009301	2	Block Group 2	1,336	18												

