



# IGU WOC3 Meetings

October 1-3, 2013  
Houston, Texas





## Contents

- |    |                                       |    |                                      |
|----|---------------------------------------|----|--------------------------------------|
| 1  | Welcome                               | 14 | The Westin Galleria Hotel Evacuation |
| 2  | Agenda                                | 16 | Houston Area Restaurants             |
| 6  | Attendees                             | 17 | Houston General Information          |
| 8  | Logistics and Activities              | 19 | Notes                                |
| 13 | The Westin Galleria Hotel Information |    |                                      |

# Welcome to the 2nd 2013 IGU WOC3 Study Group Meetings

Dear IGU Committee Members:

We are very happy to welcome you to Houston from 1-3 October 2013.

As you know, ever since the beginning of this period we have been working very hard. The product of the first stage are the questionnaires that I sent you a few weeks ago. These questionnaires are necessary to learn the current situation of gas transportation systems in different countries.

Our next step will be the analysis of the answers to the questionnaires in Houston to highlight the points that will be developed at future meetings. For that reason, this meeting is essential for achieving our goals in France by 2015. This is why your attendance is fundamental. Thank you very much for your time and effort.

At this point, I would also like to express how much I appreciate the hard work, experience and commitment of study group leaders.

This year's second meeting of study groups was split. This time, all the study groups will be working on their own the

first day and together on the second day. This is a good opportunity for members to work together, socialize and get to know each other very well.

We are very grateful to Chevron for hosting the meeting. They are arranging a very interesting social programme for us, as you already know.

Houston is the most important city of Texas. It's famous because its economy is based on the energy industry (especially oil and natural gas), transportation and aeronautic companies. Houston's official nickname is "Space City" because it is the location of the NASA Space Center.

Furthermore, Houston is famous for its theater and museum districts, sport centers, old and modern architecture, and over 300 parks. In other words, Houston is a city that caters to all tastes. With all this, I can predict that we will have a very productive and interesting meeting.



**Benjamin Guzman**  
IGU WOC3 Chairman

# IGU Committee Meeting WOC3 Agenda

## Westin Galleria Houston - 24th Floor

IGU WOC3 Meeting		
Tuesday, October 1		
Time	IGU WOC3 Meeting Programme and Schedule	Meeting Room Location
8:00 a.m. - 9:00 a.m.	Welcome, Registration, Information and Buffet Breakfast Name tag, welcome package for delegates	Monarch Room
9:00 a.m. - 10:30 a.m.	<b>IGU WOC3 Plenary Meeting</b> (business attire) SG3.1 & SG3.3 - Mr. Peter Toth SG3.2 - Mr. Abderrahmane Taberkokt <ul style="list-style-type: none"> <li>• Revision of purpose and scope</li> <li>• Questionnaire to obtain interest points (2nd Step)</li> <li>• Definition of deliverables</li> <li>• Milestone and Gantt diagram</li> </ul>	Monarch Room
10:30 a.m. - 10:45 a.m.	Coffee Break	Monarch Room
10:45 a.m. - 12:30 p.m.	<b>Study Group Meetings</b> (Breakout Sessions)	Imperial, Regal Suite
12:30 p.m. - 2:30 p.m.	Buffet Lunch	Monarch Room
2:30 p.m. - 3:45 p.m.	<b>Study Group Meetings</b> (Breakout Sessions)	Imperial, Regal Suite
3:45 p.m. - 4:00 p.m.	Coffee Break	Monarch Room
4:00 p.m. - 6:00 p.m.	<b>Study Group Meetings</b> (Breakout Sessions)	Imperial, Regal Suite
6:30 p.m. sharp	Meet in Westin Hotel lobby for transport to Vic & Anthony's (business attire)	Westin Hotel Lobby
7:00 p.m. - 9:30 p.m.	Cocktail reception and dinner in private room at Vic & Anthony's Restaurant	
9:30 p.m.	Transport from Vic & Anthony's Restaurant to Westin Hotel (arrive at 10:00 p.m.)	

# IGU Committee Meeting WOC3 Agenda

## Westin Galleria Houston - 24th Floor

### IGU WOC3 Committee Plenary Meeting

**Wednesday, October 2**

Time	IGU WOC3 Meeting Programme and Schedule	Meeting Room Location
<b>8:00 a.m. - 9:00 a.m.</b>	Information Desk and Buffet Breakfast	Monarch Room
<b>9:00 a.m. - 6:00 p.m.</b>	<b>IGU WOC3 Committee Plenary Meeting</b> (business attire)	Monarch Room
<b>10:00 a.m.</b> <b>Coffee Break</b>	<ol style="list-style-type: none"> <li>1. Welcome words</li> <li>2. Roll call: Introduction of new committee members (short biography) and apologies for absence</li> <li>3. Approval of the agenda</li> <li>4. Approval of the minutes of the first working committee held in Mar del Plata, Argentina, 25 October 2012</li> <li>5. U.S. Gas Industry - Chevron: Eric Shaw</li> <li>6. Report of the study group leaders               <ul style="list-style-type: none"> <li>SG3.1 - Mr. Peter Toth</li> <li>SG3.2 - Mr. Abderrahmane Taberkokt</li> <li>SG3.3 - Mr. Peter Toth</li> </ul> </li> <li>7. "Round Table" - News of the Gas Industry around the world. WOC 3 members are requested to prepare a short oral presentation ( 2-3 minutes) about recent developments in the gas industry in their country. Subjects might be: changes in the gas market, changes in the companies, major infrastructure projects, safety and environmental issues, etc.</li> <li>8. IGU Secretariat Information</li> <li>9. Any other business</li> <li>10. Venue of the next meeting</li> <li>11. Closure of the meeting and team photo</li> </ol>	
<b>12:00 p.m. - 1:00 p.m.</b> <b>Buffet Lunch</b>		
<b>3:00 p.m.</b> <b>Coffee Break</b>		
<b>6:30 p.m.</b>	Meet in Westin Hotel lobby for transport to The Armadillo Palace (casual attire - no jacket or tie)	Westin Hotel Lobby
<b>7:00 p.m. - 9:30 p.m.</b>	Texas style dinner at The Armadillo Palace	
<b>9:30 p.m.</b>	Transport from The Armadillo Palace to Westin Hotel (arrive at 10:00 p.m.)	

# IGU Committee Meeting WOC3 Agenda

## Westin Galleria Houston - 24th Floor

### IGU WOC3 Technical Meeting

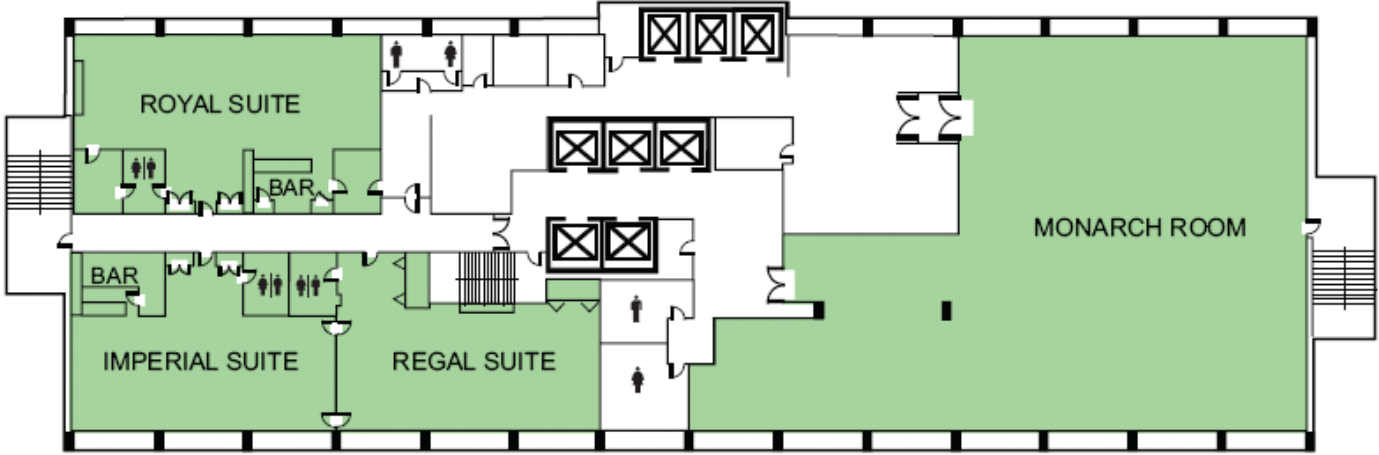
**Thursday, October 3**

Time	IGU WOC3 Meeting Programme and Schedule	Meeting Room Location
<b>8:00 a.m. - 9:00 a.m.</b>	Buffet Breakfast	Monarch Room
<b>9:00 a.m. - 11:45 a.m.</b>	<b>IGU WOC3 Technical Meeting</b> (business attire)  <b>Technical Presentations</b> a) The Sulphur Deposition in Gas Pipeline by Adnene Masmoudi b) GL Pipelines Software Team in Houston by Ian Fordyce c) Shale Gas in United States by Mike Maneffa	Monarch Room
<b>11:45 a.m.</b>	<b>Boxed lunches</b> available to take on tours listed below	Monarch Room
<b>12:00 Noon sharp</b>	Meet in Westin Hotel lobby for transportation to Weiss Energy Hall at Houston Museum of Natural Science	Westin Hotel Lobby
<b>12:30 p.m. - 2:00 p.m.</b>	Tour Weiss Energy Hall at Houston Museum of Natural Science	
<b>2:30 p.m. - 4:30 p.m.</b>	Minute Maid Park Tour: Stadium for Houston Astros Baseball Team (arrive at Westin Hotel 5:00 p.m.)	



# IGU Committee Meeting WOC3 Agenda

Westin Galleria Houston  
Monarch Meeting Room - 24th Floor



# Attendees

## IGU WOC3 Meeting Attendees

Last Name	First Name	Title	Company	Country
Aizu	Kenji	Manager, Supply Control & Disaster Management Department	Tokyo Gas Co., Ltd.	Japan
Akel	Samir	Gas Network Expert	GRTgaz	France
Aoki	Takafumi	Manager, Strategy Planning Department	Tokyo Gas Co., Ltd.	Japan
Brauer	Ansgar	Infrastructure Management Senior Technical Project Manager	E-ON RUHRGAS	Germany
Bychkov	Vladimir	Chief Specialist	Gazprom	Russia
Bystrova	Vita	Deputy Head of Division	Gazprom	Russia
Cherkashina	Olga	Foreign ILI Projects Manager	SPETSNEFTEGAZ	Russia
Crocombette	François	Expert Engineering Consultant	GRT Gaz	France
de Carvalho Mazzei	Carlos Sergio	Consultant	TBG	Brazil
Dergausov	Jury	Deputy General Director	SPETSNEFTEGAZ	Russia
Falabella	Daniel	WOC3 Secretary	TGS	Argentina
Fordyce	Ian	Principal Consultant Process & Integrity	GL Noble Denton	United Kingdom
Gupta	Deepank	Senior Pipelines Engineer	SP AusNet	Australia
Guzman	Benjamin	WOC3 Chair	TGS	Argentina
Hellstrom	Anders	Vice President, Technology	Swede Gas	Sweden
Hong	Sung Baek	Team Leader	Korean Gas Corporation	Korea
Kawaguchi	Shinobu	Team Leader, Fundamental Technology Department	Tokyo Gas Co., Ltd.	Japan
Kim	Woosik	Chief Research Engineer	Korea Gas Corporation	Korea
Kuznetsova	Nina	Chief Economist of Gas Pricing Department	JSC Gazprom	Russia
Laohavanich	Suveerest	Manager	PTT Group	Thailand
Liens	Georges	President IGU	Storengy GDF	France
Malave	Yenitza	Coordinator (E) Siho Proyecto ACFJ	PDVSA	Venezuela
Malpartida	John	Integrity Supervisor	COGA	Peru
Masmoudi	Med Adnene	Département Production et Traitement Gaz	STEG	Tunisia
Nazmi	Mohd	SG3.2 Deputy	Petronas	Malaysia
Osiadacz	Andrzej	Professor	Warsaw University of Technology	Poland
Petros	Jaroslav	Consultant	Net4Gas	Czech Republic
Pinto Lemgruber	Nelson	Integrity Manager	TBG	Brazil
Pongsakdi	Arkadej	Pipeline Maintenance & Safety Engineering Division	PTT Group	Thailand



# Attendees

## IGU WOC3 Meeting Attendees

Last Name	First Name	Title	Company	Country
Potočný	Vladimír	Centralized Maintenance Director	Eustream AS	Slovakia
Rand	Mark	International Projects Manager	Chevron	United States
Rojas	Daniel	Gerente Ingeniería IV Tren Extracción SJ	PDVSA	Venezuela
Said	Noureddine	Technical Department Head	SERGAZ	Tunisia
Salma	Rachid	Head of Department	Sonelgas GRTG	Algeria
Slaby	Martin	Head of Asset Engineering	Czech Gas Association	Czech Republic
Taberkokt	Abderrahmane	SG3.2 Leader	Société Algérienne de Gestion du Réseau de Transport du Gaz	Algeria
Toth	Peter A	SG3.1 Leader	Eustream AS	Slovakia
Toliver	Telisa	VP, Chevron Pipe Line	Chevron	United States

# Logistics and Activities

## IGU WOC3 Meeting

### Monday, September 30, 2013

The IGU WOC3 Meetings will take place in Houston, Texas, October 1-3, 2013.

In order to assist you with your travel plans, Chevron has prepared the following information:

### Transportation

For those arriving at Bush Intercontinental Airport, taxis are readily available, once you pass baggage claim. If you prefer to book a regular sedan in advance, please contact Regent Limo at: [book@regentlimo.com](mailto:book@regentlimo.com) or call directly +1-713-757-9876 24 hrs. /7 days. Travel time from the airport to the Westin Galleria is approximately 45 minutes. Cost of transportation is approximately \$97.00 USD.

### Accommodation

Attendees are responsible for reserving their room at the:

#### Westin Galleria Houston

5060 West Alabama  
Houston, TX 77056

**Ph:** +1-713-960-8100  
**Fax:** +1-713-960-6553

Hotel check-in is 3:00 p.m. and check-out noon.

### Tuesday, October 1, 2013

### IGU WOC3 Meetings 9:00 a.m. - 6:00 p.m.

**Dress code:** business casual

The IGU WOC3 meetings will take place in the Monarch Room. Breakout sessions will be in the Imperial and Regal Suite located on the 24th floor of the Westin Galleria Houston. A buffet breakfast will be served in the Monarch Room from 8:00 to 9:00 a.m. Coffee breaks will be served at 10:30 a.m. and 3:45 p.m. (15 minutes) and lunch from 12:30 to 2:30 p.m. (*See agenda tab for meeting topics.*)

A "Registration and Information Desk" will be set up outside the Monarch Room on October 1 and 2, from 8:00 a.m. to 6:00 p.m. and October 3 from 8:00 a.m. to noon. At registration, please pick up your name badge and Welcome Package prior to your meeting commencement.

*Please remember to wear your name badge at all times, including all evening events.*

### Dinner: Vic & Anthony's 6:30 p.m. - 9:30 p.m.

**Dress code:** business attire

Please meet in the Westin Hotel Lobby at 6:30 p.m. sharp to board buses to Vic & Anthony's Restaurant. The bus driver will hold a Chevron sign for identification.

*Please wear your name badge.*

#### Vic & Anthony's

1510 Texas Avenue  
Houston, TX  
Ph: +1-713-228-1111

Expect to return to the Westin at approximately 10:00 p.m.

# Logistics and Activities

## IGU WOC3 Plenary and Technical Meetings

Wednesday and Thursday, October 2-3, 2013

### Wednesday, October 2, 2013

#### IGU WOC3 Plenary Meeting 9:00 a.m. - 6:00 p.m.

**Dress code:** business casual

The IGU WOC3 Plenary meeting will take place in the Monarch Room on the 24th floor of the Westin Galleria Houston. A buffet breakfast will be served in the Monarch Room from 8:00 to 9:00 a.m., coffee breaks at 10:00 a.m. and 3:00 p.m. (15 minutes) and lunch from 12:00 to 1:00 p.m. *(See agenda tab for meeting topics.)*

A group photo will be taken at the end of the day.

#### Dinner: The Armadillo Palace 7:00 p.m. - 9:30 p.m.

**Dress code:** business casual

Please meet in the Westin Hotel Lobby at 6:30 p.m. sharp to board buses to The Armadillo Palace. The bus driver will hold a Chevron sign for identification.

##### **The Armadillo Palace**

5015 Kirby Drive  
Houston, TX  
Ph: +1-713-844-8180

Expect to return to the Westin at approximately 10:00 p.m.

### Thursday, October 3, 2013

#### IGU WOC3 Technical Meeting 9:00 a.m. - 11:45 a.m.

**Dress code:** business casual

The IGU WOC3 Technical meeting will take place in the Monarch Room on the 24th floor of the Westin Galleria Houston. A buffet breakfast will be served in the Monarch Room from 8:00 to 9:00 a.m. A boxed lunch from 11:45 to 12:30 p.m. will be available in the Monarch Room to take on afternoon tours. *(See attendee tab for meeting topics.)*

#### Local Tours 12:00 p.m. - 5:00 p.m.

**Dress code:** casual (jeans)

Please gather in the Westin Lobby at 11:45 a.m. sharp to board buses to: Weiss Energy Hall at the Houston Museum of Natural Science and Minute Maid Park Baseball Stadium.

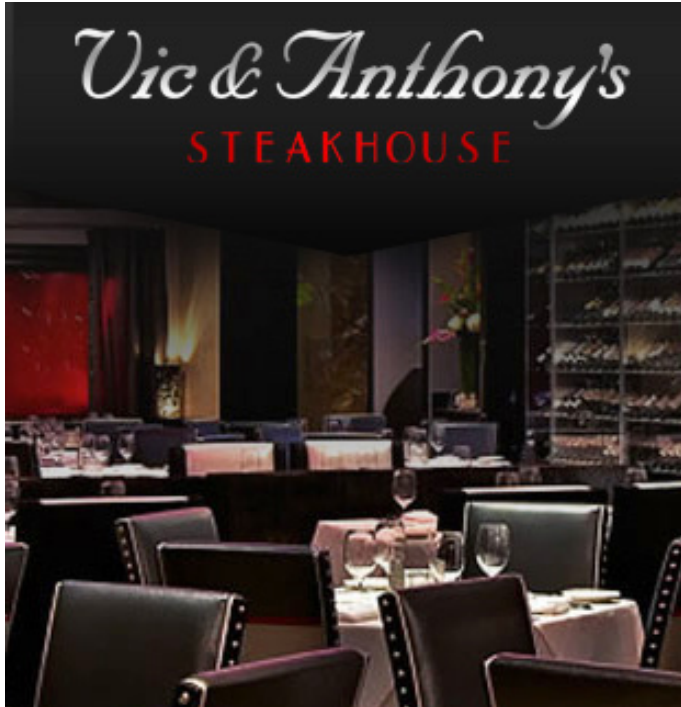
Expect to return back to the Westin at 5:00 p.m.

# Logistics and Activities

## Activities for Attendees and Guests

Tuesday, October 1, 2013

Welcome Dinner

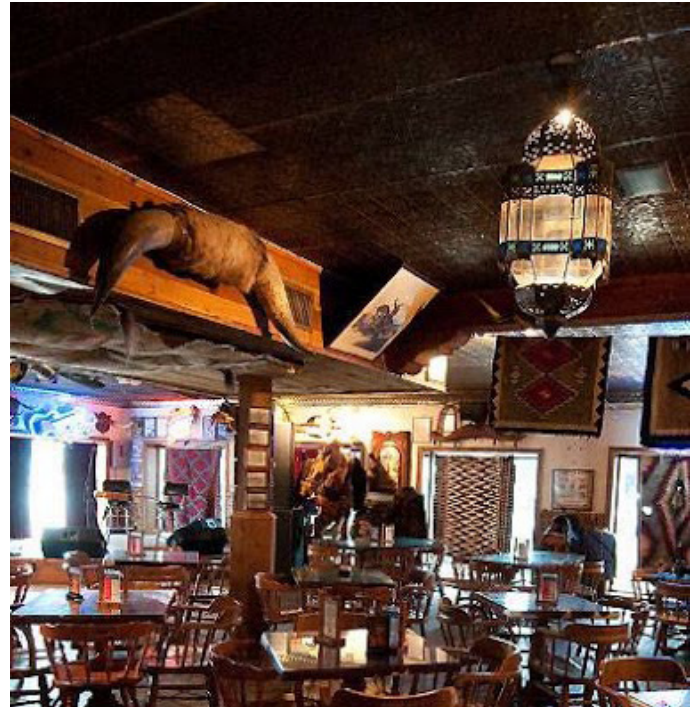


Vic & Anthony's Steakhouse

Bus leaves from hotel at 6:30 p.m.

Wednesday, October 2, 2013

Texas-Style Dinner



The Armadillo Palace

Bus leaves from hotel at 6:30 p.m.



# Logistics and Activities

## Activities for Attendees and Guests

Thursday, October 3, 2013

### Local Tours



Weiss Energy Hall at the Houston Museum of Natural Science

Bus leaves from hotel at 11:45 a.m.



Minute Maid Park  
Home of the Houston Astros

# Logistics and Activities

## Contact Numbers to Assist

<b>Chevron Houston Contacts</b>	<b>Role</b>	<b>Cell</b>
Daniel Falabella	WOC3 Secretary	+5491137671168
Mark Rand	International Projects Manager	+1-713-447-9776
Cheryl Sawyer	Events Manager	+1-281-660-2944
Fawn Ross	Administration	+1-713-858-3078
Jesse Lau	IT Support	+1-713-294-8175

# The Westin Galleria Hotel Information

5060 West Alabama, Houston, TX 77056

## Guest Rooms

All 487 guest rooms, 20 suites, and three luxury suites are furnished with the Heavenly Bed and Heavenly Bath. Light cherry wood furnishings combined with an array of soothing green accents set the tone. Mesh shades over the windows allow subtle light into the room. Two full-length mirrors and a business desk with ergonomic chair are strategically placed within the spacious room. Residential type rooms and a refreshing sense of contemporary style combine with the best in modern hotel amenities, creating an all-new environment for our guests.

## Entertainment

- Cable Channels
- In-Room Movies
- Television

## Bed Features

- The Heavenly Bed
- The Heavenly Crib (SM)
- Rollaway Beds

## Bathroom

- Accessible Shower and/or Bath
- Grab Bars in Bathroom
- The Heavenly Shower/Bath
- Hairdryer

## Office/Telecom

- Telephone
- Ergonomic Desk Chair
- Desk
- Voicemail
- Data Port
- TDD



## Dining

- Coffee Maker with Starbucks Coffee
- 24-Hour Room Service

## Room Features

- Non-Smoking Room
- Balcony
- Disability Accessible Room
- WestinWORKOUT® Room
- Adjoining Rooms
- Room with Sitting Area
- Suites Available
- Connecting Rooms Available



## Pets

- The Westin Heavenly Dog Bed Available

## Room Amenities & Services

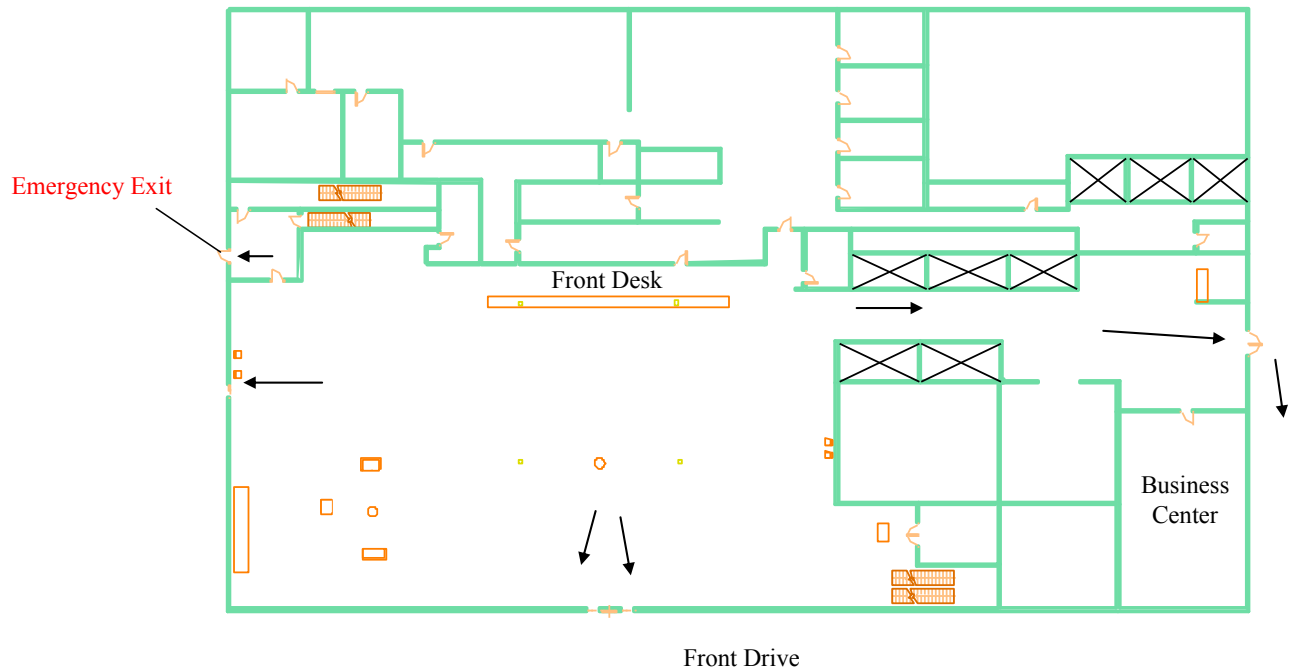
- Iron/Ironing Board
- In-Room Safe
- Radio/Alarm Clock
- Full-Length Mirror
- Air-Conditioned Room
- Video Check-Out
- Wake-up Service
- Maid Service

## Internet Access

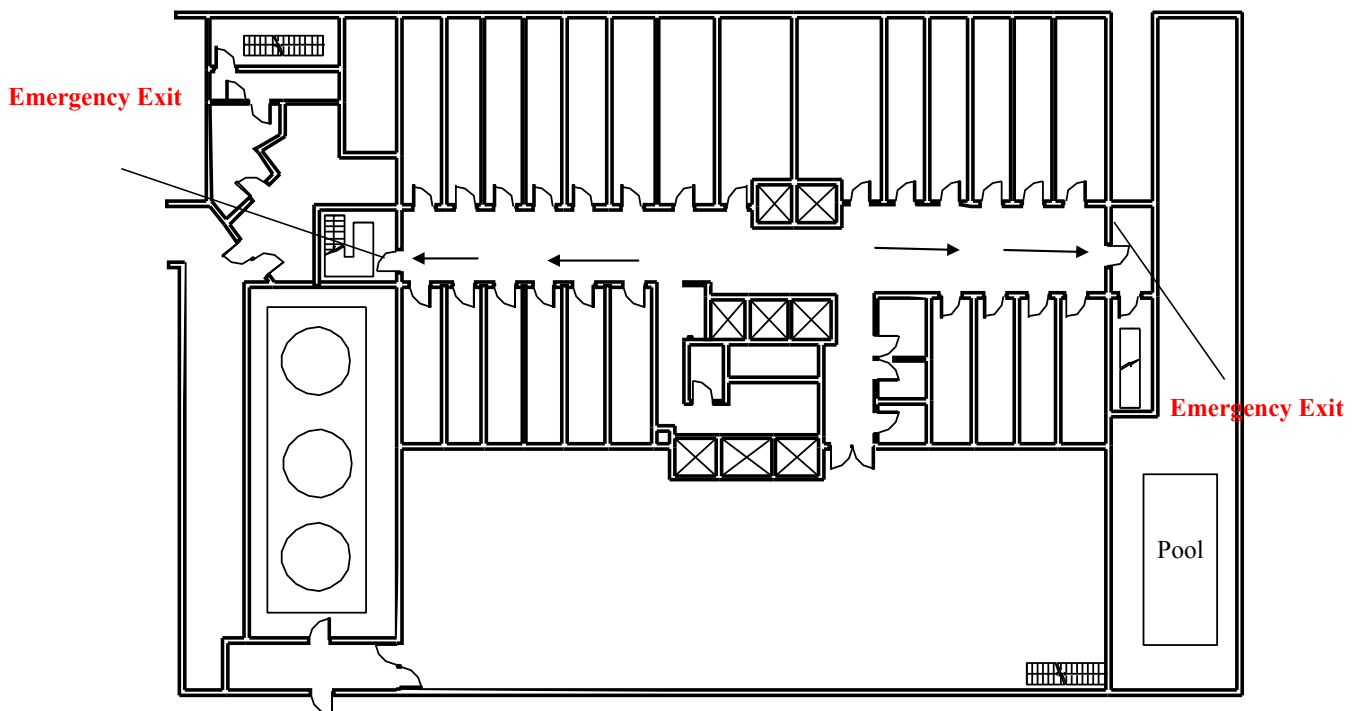
- High Speed Internet Access in All Guest Rooms USD \$12.95 per day

# The Westin Galleria Hotel Evacuation

## 2nd Floor Evacuation Routes



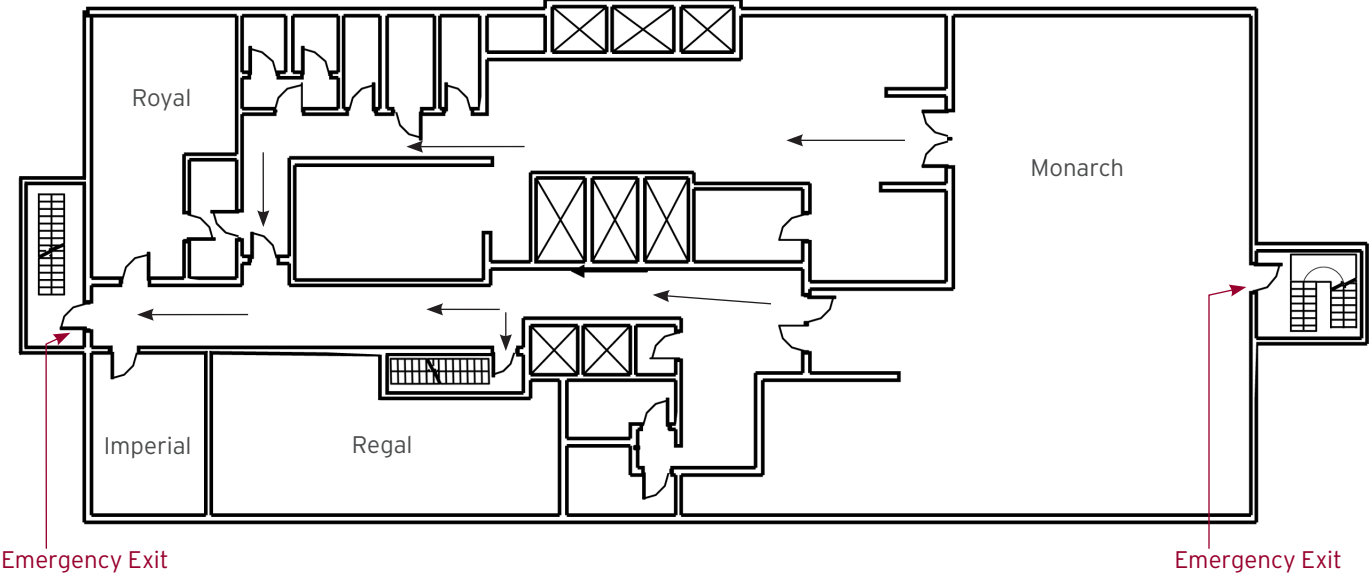
## 5th Floor Evacuation Routes





# The Westin Galleria Hotel Evacuation

## 24th Floor Evacuation Routes



# Houston Area Restaurants



## Capital Grille

5365 Westheimer Rd, +1-713-623-4600  
0.6 miles, 12 minute walk



## Morton's Steakhouse

5000 Westheimer Rd, +1-713-629-1946  
8.62 miles, 14 minute drive



## Sage 400 Japanese Cuisine

2800 Sage Rd, +1-713-961-9566  
0.5 miles, 5 minute walk



## Maggiano's Italian Restaurant

2019 Post Oak Blvd, +1-713-961-2700  
1.32 miles, 3 minute drive



## Nit Noi Thai

6395 Woodway Dr, +1-713-789-1711  
3.3 miles, 9 minute drive



## Uptown Sushi

1131-14 Uptown Park Blvd, +1-713-871-1200  
1.3 miles, 5 minute drive



## McCormick & Schmick's Seafood Restaurant

1151 Uptown Blvd, +1-713-840-7900  
1.3 miles, 5 minute drive



## Oceanaire Seafood Room

5061 Westheimer Rd, +1-832-487-8862  
In the Galleria Mall (no driving)

# Houston General Information

## Houston's Founders

The city of Houston was founded in August of 1836 by brothers Augustus and John Allen. The city is named after General Sam Houston, who led the Texas Army to its victory over General Santa Anna's Mexican forces at the 1836 Battle of San Jacinto. In 1837, the city of Houston was incorporated into the Republic of Texas and served as its capital from 1837 to 1840.

## Population

Today the city of Houston has a population of over 4.3 million inside its city and Harris County metropolitan borders. Houston is one of the few cities with permanent ballet, opera, symphony and theater companies. There are more than 30 museums, 500 parks, 100+ golf courses, 60 movie theaters and over 8,000 restaurants.

Houston is located in the Central Time Zone and has a mild year-round climate. The sales tax is 8.25 percent, no state income tax and property taxes are \$3.20+ per one hundred dollars of appraised value.

## Economy

Rated as a beta world city, Houston's economy has a broad industrial base in the energy, manufacturing, aeronautics, transportation, and health care sectors and is a leading center for building oilfield equipment. Only New York City is home to more Fortune 500 headquarters within the city limits. The Port of Houston ranks first in the United States in international waterborne tonnage handled and second in total cargo tonnage handled. The city has a population from various ethnic and religious backgrounds and a large and growing international community. It is home to many cultural institutions and



General Sam Houston

exhibits—attracting more than 7 million visitors a year to the Houston Museum District. Houston has an active visual and performing arts scene in the Theater District and is one of few U.S. cities that offer year-round resident companies in all major performing arts.

The legal drinking age in Texas is 21 and all drivers and passengers in Texas are required by law to use safety belts when riding in a car or truck.

## Weather

Houston enjoys a subtropical and humid climate, with plenty of sunshine and an average annual precipitation of 50 inches.

Summer temperatures in Houston are at their hottest during July and August, when they can reach around 34°C/93°F. Turbulent weather can occur during this time in Houston, which can lead to tornadoes, especially during late summer.

Winters in Houston are cool, with January being the coldest month, when daytime temperatures reach highs of around 16°C/61°F. This is Houston's wettest season with the most rainy weather, although snow at this time of the year is rare.

## Houston Weather and Climate Chart

	Maximum	Minimum
Houston weather in January	16°C / 61°F	4°C / 39°F
Houston weather in February	19°C / 66°F	6°C / 43°F
Houston weather in March	22°C / 72°F	10°C / 50°F
Houston weather in April	26°C / 79°F	15°C / 59°F
Houston weather in May	29°C / 84°F	18°C / 64°F
Houston weather in June	32°C / 90°F	21°C / 70°F
Houston weather in July	34°C / 93°F	23°C / 73°F
Houston weather in August	33°C / 91°F	22°C / 72°F
Houston weather in September	31°C / 88°F	20°C / 68°F
Houston weather in October	28°C / 82°F	14°C / 57°F
Houston weather in November	22°C / 72°F	10°C / 50°F
Houston weather in December	18°C / 64°F	6°C / 43°F



# Houston General Information



## Miscellaneous Information

### Passports

- Required for all non-residents of the United States

### Time

- Standard time zone: UTC/GMT: 6 hours
- Daylight savings time: +1 hr.

### Electricity

- 110 V

### Attire

- Business casual

### Weather

- October - max. 28°C / 82°F;  
min. 14°C / 57°F

### Currency

- U.S. dollar - ATM machines and banks are a 5 minute walk from Westin Hotel

### Tipping

- Not included in bill - generally add 10-15% depending on service

### Taxis

- Safe and readily available outside Westin Hotel (ask concierge)

### Documents

- Bring a photocopy of passport and keep in hotel safety deposit box

### Reminder

- Bring cell phone chargers, adapter plugs







**Chevron Gas and Midstream**

1500 Louisiana Street

Houston, TX 77002

U.S.A.

[www.upstreamandgas.chevron.com](http://www.upstreamandgas.chevron.com)

© 2013 Chevron U.S.A. Inc. All rights reserved.

IDC 0813-096628