Evaluation of the Baltimore Guaranteed Ride Home Program

Research and Special Programs Administration
Volpe National Transportation Systems Center
Cambridge, MA 02142-1093

Final Report
December 1994
NOTICE

This document is disseminated under the sponsorship of the Department of Transportation in the interest of information exchange. The United States Government assumes no liability for its contents or use thereof.
This report evaluates the implementation of a guaranteed ride home (GRH) program in the Baltimore/Washington International (BWI) Airport employment area during its demonstration period from March 1992 to March 1993. The GRH program offered employees of member organizations, who use transit or rideshare at least three times per week and who register for the program, free rides home in the case of personal or family emergencies or unscheduled overtime, via taxis or rental cars depending on the distance of their residences from their places of employment.

The GRH program was well received by member employers and employees; program participation increased steadily throughout the demonstration. Minimal program abuse occurred. While there is no conclusive evidence that the GRH program directly increased high occupancy vehicle (HOV) usage in the BWI Airport employment area during the demonstration, the program may have helped to retain existing HOV users. As the 1990 Clean Air Act requirements for large employers to reduce single occupancy commuting become effective, interest in the GRH program may grow as a means to encourage increases in average vehicle occupancy.
PREFACE

This report was prepared by KPMG Peat Marwick as subcontractor to Science Applications International Corporation under Contract Number DTRS-57-89-D-00090 with the Research and Special Programs Administration's John A. Volpe National Transportation Systems Center, Office of Research and Analysis, Service Assessment Division. The Federal Transit Administration (FTA), Office of Technical Assistance and Safety sponsored the work, with overall direction provided by the FTA sponsor, Joseph Goodman of the Service Assistance Division. The contract was arranged under Project Plan Agreement TT-27, Regional Mobility Support.

This report evaluates the experience of the Baltimore Metropolitan Council and the Baltimore/Washington International (BWI) Business Partnership, Inc. with a demonstration of a guaranteed ride home program initiated in 1992 in the BWI Airport employment area. As part of its Regional Mobility Program and in response to a 1989 report by the Office of Technical Assistance and Safety entitled "An Assessment of Travel Demand Approaches at Suburban Activity Centers," the FTA awarded a Section 8 grant to implement the guaranteed ride home program as a transportation management strategy.

The author would like to thank Neil Shpritz, Executive Director, Nancy Van Winter, former Executive Director, and all the staff of the Baltimore/Washington Business Partnership, Inc. for their enthusiastic support and assistance throughout the project.
### METRIC/ENGLISH CONVERSION FACTORS

#### ENGLISH TO METRIC

LENGTH (APPROXIMATE)
- 1 inch (in) = 2.5 centimeters (cm)
- 1 foot (ft) = 30 centimeters (cm)
- 1 yard (yd) = 0.9 meter (m)
- 1 mile (mi) = 1.6 kilometers (km)

AREA (APPROXIMATE)
- 1 square inch (sq in, in²) = 6.5 square centimeters (cm²)
- 1 square foot (sq ft, ft²) = 0.09 square meter (m²)
- 1 square yard (sq yd, yd²) = 0.8 square meter (m²)
- 1 square mile (sq mi, mi²) = 2.6 square kilometers (km²)
- 1 acre = 0.4 hectares (ha) = 4,000 square meters (m²)

MASS - WEIGHT (APPROXIMATE)
- 1 ounce (oz) = 28 grams (gr)
- 1 pound (lb) = 453.6 kilograms (kg)
- 1 short ton = 2,000 pounds (lb) = 0.9 tonne (t)

VOLUME (APPROXIMATE)
- 1 teaspoon (tsp) = 5 milliliters (ml)
- 1 tablespoon (tbsp) = 15 milliliters (ml)
- 1 fluid ounce (fl oz) = 30 milliliters (ml)
- 1 cup (c) = 0.24 liter (l)
- 1 pint (pt) = 0.47 liter (l)
- 1 quart (qt) = 0.96 liter (l)
- 1 gallon (gal) = 3.8 liters (l)
- 1 cubic foot (cu ft, ft³) = 0.03 cubic meter (m³)
- 1 cubic yard (cu yd, yd³) = 0.05 cubic meter (m³)

TEMPERATURE (EXACT)
\[ (x - 32) \times \frac{5}{9} °C = °F \]

#### METRIC TO ENGLISH

LENGTH (APPROXIMATE)
- 1 millimeter (mm) = 0.04 inch (in)
- 1 centimeter (cm) = 0.4 inch (in)
- 1 meter (m) = 3.3 feet (ft)
- 1 meter (m) = 1.1 yards (yd)
- 1 kilometer (km) = 0.6 mile (mi)

AREA (APPROXIMATE)
- 1 square centimeter (cm²) = 0.16 square inch (sq in, in²)
- 1 square meter (m²) = 1.2 square yards (sq yd, yd²)
- 1 square kilometer (km²) = 0.6 square mile (sq mi, mi²)
- 1 hectare (he) = 10,000 square meters (m²) = 2.5 acres

MASS - WEIGHT (APPROXIMATE)
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- 1 milliliters (ml) = 0.03 fluid ounce (fl oz)
- 1 liter (l) = 2.1 pints (pt)
- 1 liter (l) = 1.06 quarts (qt)
- 1 liter (l) = 0.26 gallon (gal)
- 1 cubic meter (m³) = 36 cubic feet (cu ft, ft³)
- 1 cubic meter (m³) = 1.3 cubic yards (cu yd, yd³)

TEMPERATURE (EXACT)
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For more exact and or other conversion factors, see NBS Miscellaneous Publication 286, Units of Weights and Measures. Price $2.50. SD Catalog No. C13 10286.
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EXECUTIVE SUMMARY

In June 1991, the Federal Transit Administration (FTA) awarded a Section 8 grant to the Baltimore Metropolitan Council (BMC) to implement a guaranteed ride home (GRH) program in the Baltimore/Washington International (BWI) Airport employment area with the long term goal of increasing vanpool, carpool and transit use. The BMC, as the authorized metropolitan planning organization for the Baltimore region, applied for the grant on behalf of the BWI Business Partnership, Inc. (Partnership), a nonprofit transportation management association (TMA) created in 1985 to improve transportation for the businesses, agencies, employees, and residents of the BWI Airport area. The BMC and the Partnership executed a formal agreement on September 19, 1991, to implement the GRH program demonstration.

The Partnership officially kicked off the one-year demonstration on March 10, 1992. The GRH program offered employees of member organizations, who use transit or rideshare at least three times per week and who register for the program, free rides home in the case of personal or family emergencies or unscheduled overtime. The GRH service was available 24 hours a day, seven days a week. During the 12-month demonstration, each eligible, registered employee could use the guaranteed ride home program six times for personal or family emergency situations and four times for unscheduled overtime.

To use the GRH service, a registered program participant first informed his or her supervisor of the emergency or overtime requirement and then directly called one of the participating service providers (a taxi company and a rental car company). After verifying the caller's eligibility with an alphabetical listing of registered participants, the taxi or rental car picked up the program user within 30 minutes. Program users were permitted to make additional stops directly related to the emergency, such as stops at the doctor's office, school, or day care.

The program user received a receipt from the service provider but did not pay for the GRH service. The service providers directly billed the Partnership for the services provided. All taxes, tips and fuel charges were included as part of the free GRH service. The user did not incur any out-of-pocket expenses.

After utilizing the GRH service, the program user submitted a copy of the receipt and a completed reimbursement certification form, signed by an authorized company representative verifying that the employee had a personal emergency or unscheduled overtime, to the Partnership. The Partnership then sent a follow-up survey to the user to assess how the service worked. The program user was required to return both forms to the Partnership in order to remain eligible for the GRH program.

The GRH program was well received by member employers and employees. The program allowed participating employees to rideshare or use transit without worrying about how they would get home in the event of an emergency or unexpected requirement to work overtime. The program provided participants with a quick and easy solution for getting home in these
situations. Although the FTA funded demonstration ended in March 1993, the Partnership is continuing the program with its own funds based on member interest.

Program participation increased steadily throughout the demonstration, from 241 registered participants in March 1992, to 732 in March 1993. Participation was approximately 25 percent of the estimated number of eligible employees (i.e., assuming that 14 percent of the 20,000 employees of participating member organizations were eligible because they commuted at least three days per week by carpool, vanpool or transit, consistent with area modal split data).

During the demonstration, 114 participants (15 percent of total program participants) used the program for 287 GRH trips. The 287 trips represent less than four percent of the total number of trips available if each program participant used the maximum number of trips allowed (ten). The majority of program users (47.4 percent) made only one GRH trip. The average number of trips per user was 2.5.

Forty-five percent of the GRH trips were for unexpected overtime, while the remaining GRH trips were for personal or family emergencies.

The Partnership reimbursed the two service providers a total of $9,158 for the 287 trips provided during the demonstration, for an average reimbursement per GRH trip of $31.91.

Program users were generally very satisfied with the GRH service. About 62 percent of program users responding to the follow-up attitude survey indicated that the GRH service had exceeded their expectations. Another 28 percent were satisfied with the service. Only four percent indicated that their experience had fallen short of their expectations.

Some program abuse was apparent during the demonstration. For example, the greatest percentage of program use occurred on Fridays (26.9 percent compared to 12.6 to 18.9 percent on Monday through Thursday). Many program users failed to submit the appropriate documentation (the reimbursement certification or the follow-up attitude survey) to the Partnership.

The Partnership had continuing problems with the taxi company, including suspected overcharges and billing inconsistencies. In addition, the terms of the service agreement allowed the taxi to start the meter at the airport terminal rather than the passenger pick-up location, which increased program reimbursement costs. At the end of the demonstration, the Partnership was able to establish a service agreement with another taxi company and did not extend the original agreement with Ground Transportation Professionals.

The Partnership monitored the GRH program carefully and instituted additional requirements after the first six months of the demonstration to improve user verification and reduce cost and abuse.

While there is no conclusive evidence that the GRH program directly increased high occupancy vehicle (HOV) usage in the BWI Airport employment area during the one-year demonstration, the program may have helped to retain existing HOV users. Analysis of
commute behavior before and after the GRH demonstration indicates that overall commute behavior remained virtually unchanged. There was a slight increase (less than one percent) in HOV commuting and a corresponding slight decrease in single occupancy vehicle (SOV) commuting during the demonstration period. The changes in commute behavior that did occur (6.2 percent of the survey respondents changed their commute mode over the demonstration period) reflected changes from SOV to HOV commute modes, as well as changes among HOV commute modes and changes from an HOV to SOV commute mode. Twenty-seven percent of the survey respondents who had changed their commute mode during the period indicated that the availability of the GRH program was important or very important in their decision to shift to an HOV commute mode.

The Partnership provides many valuable services for its members, including the GRH program. The GRH program is a low cost benefit that employers can provide as an incentive for employees to rideshare or use transit. Together with the rideshare matching services provided by the Partnership, the GRH program makes it easy for area employees to utilize HOV commute modes.

TMA membership did not increase significantly during the demonstration period. A small company which relocated its headquarters office, with ten employees, from Baltimore City to the BWI employment area in December 1992 indicated that the GRH program was the primary reason for joining the Partnership.

As the 1990 Clean Air Act (CAA) requirements become effective, interest in the GRH program on the part of larger employers (i.e., with 100 or more employees) in the BWI employment area trying to deal with CAA requirements may grow. Membership in the Partnership is likely to increase as employers look for low cost programs to increase average vehicle occupancy and assistance in developing Employer Trip Reduction Programs.
1. INTRODUCTION

In June 1991, the Federal Transit Administration (FTA) awarded a Section 8 grant to the Baltimore Metropolitan Council (BMC, formerly the Baltimore Regional Council of Governments) to implement a guaranteed ride home (GRH) program in the Baltimore/Washington International (BWI) Airport employment area with the long term goal of increasing vanpool, carpool and transit use. The BMC, as the authorized metropolitan planning organization for the Baltimore region, applied for the grant on behalf of the BWI Business Partnership, Inc. (Partnership), a nonprofit transportation management association (TMA) created in 1985 to improve transportation for the businesses, agencies, employees, and residents of the BWI Airport area. The BMC and the Partnership executed a formal agreement on September 19, 1991, to implement the GRH program demonstration.

In July 1989, the FTA Office of Technical Assistance and Safety issued a report entitled "An Assessment of Travel Demand Approaches at Suburban Activity Centers," which called for further testing of GRH programs as a transportation management strategy. With its proximity to the airport and extensive availability of on-call transportation services, the BWI Airport employment area presented an ideal area for testing a GRH program.

1.1 GUARANTEED RIDE HOME DESCRIPTION

GRH programs provide employees who regularly carpool, vanpool or take transit to work assurance of a reliable, backup ride home, at minimal or no cost, in the event they must leave work earlier or stay later than their normal time. The fear of being stranded at work in the event of a daytime emergency has frequently been cited as a major deterrent to ridesharing, particularly for employees with young children or elderly relatives living at home. GRH programs promote ridesharing by alleviating the fear of being stranded at work in the event of an emergency or an unexpected requirement to remain at work beyond the usual time.

Alternative transportation through a GRH program can be provided by taxi cab, short-term auto rental, company fleet vehicle, or a combination of these options. Most programs restrict use, either the number of times a person can utilize the GRH service or the dollar value of the GRH trips during a 12-month period.

Some GRH programs are provided free of charge to the user. Other programs require individual users or their employers to contribute a portion of the cost of the trip.

1.2 GRH PRIOR EXPERIENCE

GRH programs have been implemented across the country as a travel demand management technique. GRH programs are frequently administered on a cooperative basis by Transportation Management Associations. Individual employers and transit agencies have also developed GRH programs to promote transit and ridesharing.
Trip reduction ordinances and regulations requiring employers to reduce traffic by offering employees alternatives to driving alone have increased interest in GRH programs. More than 45 percent of employers subject to Regulation XV in the Los Angeles area have implemented GRH programs, according to a survey conducted by researchers at the University of California Los Angeles and the University of Southern California.

The Warner Center Transportation Management Organization in suburban Los Angeles implemented a GRH program for its 35 members in June 1989. During the second year of the program, approximately 600 employees shifted from driving alone to an HOV commute mode, and 60 percent of those shifting identified the GRH program as the main reason for their decision to change commute modes.

Seattle Metro has sponsored GRH programs in Seattle and King County since 1987 with individual programs designed for specific geographic areas and employee populations. In September 1987, Metro implemented a pilot GRH program in two Eastside areas, Bellevue and the I-90 corridor. The program provided up to 40 free miles per year to registrants in the Bellevue CBD and up to 60 free miles for registrants in the I-90 corridor. Over a 22-month period, a total of 69 trips was taken by 8.5 percent of the program registrants. The average fare was $17.46. Program participation was high, but there was little actual use of the service.

Commuter Transportation Services, Inc. of Los Angeles recently conducted a survey of 77 GRH programs. According to the survey, annual use rates vary from 0.5 to 20 percent of eligible employees, depending on usage restrictions. Most employers indicated that the GRH programs are used sparingly and are not abused.

1.3 DEMONSTRATION OVERVIEW

The Partnership established a GRH Advisory Committee, composed of representatives of member organizations, to oversee development, implementation and monitoring of the GRH program. The Partnership began meeting with the Advisory Committee in September 1991, to develop program parameters and procedures. In November 1991, the Partnership awarded a contract to a marketing firm to develop a professional marketing concept and create marketing materials for the GRH program. The Partnership officially kicked off the GRH demonstration program on March 10, 1992.

The GRH demonstration program offered employees of member organizations, who regularly use transit or rideshare (i.e., at least three times per week) and who have registered for the program, free rides home in the case of emergencies or unscheduled overtime. GRH service was available 24 hours a day, seven days a week. During the 12-month demonstration, each eligible, registered employee could use the guaranteed ride home service six times for personal or family emergency situations and four times for unscheduled overtime.

To utilize the GRH service, the employee first informed the appropriate supervisor and then directly called one of the participating service providers (either the taxi company or rental car company). A taxi or rental car picked up the employee within 30 minutes. Additional stops
directly related to the emergency were allowed, such as stops at the doctor’s office, school, or day care.

After utilizing the GRH program, the employee was required to submit to the Partnership a copy of the receipt and a completed reimbursement certification form, signed by an authorized company representative, verifying that the employee had a personal emergency or unscheduled overtime. The Partnership sent a short follow-up survey to the user to assess the user’s satisfaction with the service. In order to remain eligible to participate in the program, the user was required to return both the reimbursement certification form and the follow-up survey to the Partnership.

The FTA funded demonstration ended in March 1993. The Partnership is continuing the program with its own funds based on member interest.

1.4 EVALUATION OVERVIEW

In February 1993, the John A. Volpe National Transportation Systems Center (Volpe Center), under the Operations Research & Analysis omnibus contract, issued a task order to Science Applications International Corporation (SAIC) to conduct an evaluation of the GRH program demonstration. The SAIC team was led by KPMG Peat Marwick. The objective of the evaluation was to assess the effectiveness of the GRH demonstration in meeting its goals and objectives, specifically:

- to stimulate carpooling and public transportation, and thereby reduce single occupancy vehicle commuting
- to strengthen the profile and appeal of the Partnership

The evaluation plan included the following components:

- documentation and assessment of the program development and implementation processes
- analysis of program use over the 12-month demonstration period, including:
  - registration for the program
  - actual program use
- analysis of the cost of the program, including administrative costs and reimbursements to service providers
- analysis of GRH program abuse
- analysis of the attitudes and perceptions of program users and the employers participating in the program
analysis and comparison of commute behavior prior to implementation of the GRH program and at the end of the year long demonstration

analysis of the impact of implementation of the GRH program on the choice of commute mode

analysis of the impact of the availability of the GRH program on TMA membership

1.5 ORGANIZATIONAL ROLES

The Science Applications International Corporation/KPMG Peat Marwick team was awarded a task by the Volpe Center to conduct the evaluation of the GRH program. Peat Marwick was responsible for:

- documenting the development and implementation of the GRH program demonstration
- assembling and analyzing the program use and cost data collected by the Partnership during the demonstration
- tabulating the results of the follow-up surveys submitted to the Partnership after each program use
- developing the post-demonstration survey instrument
- defining the tabulation and analysis requirements for the post-demonstration survey and reanalysis of the baseline survey
- analyzing and comparing the baseline survey and post-demonstration survey results
- preparing the evaluation report

The BWI Business Partnership, Inc. (formerly the Greater BWI Commuter Transportation Center) developed and implemented the GRH program. For the evaluation, the Partnership provided information on the development and implementation of the program as well as data on program cost, use and abuse which were collected during the demonstration. The Partnership was also responsible for distributing the post-demonstration questionnaires to the appropriate employers and employees.
The Baltimore Metropolitan Council, the authorized metropolitan planning organization for the Baltimore region, was the grant recipient. The BMC applied for the grant on behalf of, and contracted with, the Partnership to develop and implement the GRH program. In addition, the BMC provided support in various development, implementation and analysis tasks, specifically:

- developing the survey instrument to collect baseline data on commute behavior
- tabulating the results of the initial baseline survey
- tabulating the results of the post-demonstration survey
- retabulating the baseline survey results for the subset of respondents who also responded to the post-demonstration survey

The Federal Transit Administration provided funding and technical assistance for the GRH program demonstration through a cooperative agreement with the BMC under Section 8 of the Federal Transit Act. FTA staff participated in meetings, reviewed survey instruments, and reviewed the evaluation report.

The John A. Volpe National Transportation Systems Center was responsible for management of the demonstration evaluation project. Volpe Center staff participated in the evaluation of the demonstration by providing technical guidance, attending meetings, reviewing survey instruments, and reviewing the evaluation report.
2. SITE DESCRIPTION

2.1 THE BWI AIRPORT AREA

The BWI Airport employment area is a ten-square mile region surrounding the BWI Airport in Anne Arundel County, Maryland, approximately ten miles southwest of downtown Baltimore and 35 miles northeast of downtown Washington D.C. The area is bounded by the Baltimore Beltway (I-695) on the North, Maryland Route 3 (I-97) on the East, Maryland Route 32 on the South, and the Howard County line to the west. A map of the area is presented in Exhibit 2-1.

2.2 EMPLOYMENT

The BWI Airport area has experienced tremendous growth during the last ten years. Employment increased over 400 percent from approximately 20,200 in 1980 to over 105,000 in 1990. The BMC estimates employment in the year 2000 at 113,000. If all the development projects currently proposed are completed, employment could reach 140,000 by 2010.

As of April 1991, 480 businesses were located in the BWI Airport area. The largest employers include Westinghouse Electric Corporation, the U.S. Government Fort Meade complex (the National Security Agency), Ford Aerospace, and the BWI Airport and airlines.

The area’s employment base (in 1990) was comprised of the following:

<table>
<thead>
<tr>
<th>Category</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Retail/Service/Professional Services</td>
<td>34%</td>
</tr>
<tr>
<td>Airport Related (Airlines, transportation)</td>
<td>18%</td>
</tr>
<tr>
<td>Manufacturing/Distribution</td>
<td>15%</td>
</tr>
<tr>
<td>Engineering/Research/Communications</td>
<td>12%</td>
</tr>
<tr>
<td>Government</td>
<td>9%</td>
</tr>
<tr>
<td>Real Estate/Construction</td>
<td>7%</td>
</tr>
<tr>
<td>Other</td>
<td>5%</td>
</tr>
</tbody>
</table>

The majority of companies in the area have small operations. A confidential employer survey conducted by the Partnership in 1991 revealed that 69 percent of companies have fewer than 30 employees while only eight percent have 200 or more employees.

2.3 TRANSPORTATION

The BWI Airport area is served by bus, light rail, Maryland commuter rail, Amtrak, and an extensive national highway network.
EXHIBIT 2–1
BWI AIRPORT EMPLOYMENT AREA

Source: SC Associates, Inc.
The Mass Transit Administration (MTA) operates four bus routes in the area:

- **Route 17** connects the northeastern portion of the BWI employment area with downtown Baltimore, serving the Baltimore City, Westport, Linthicum, Glen Burnie, Marley, and Green Haven communities. Service is limited on Saturdays and Sundays, and in January 1993, weekday midday service was eliminated.

- **Route 230** is an express route operating on the Baltimore-Washington Parkway between Baltimore City and the Parkway Center. In January 1993, midday weekday service was eliminated.

- **Route 240** is an express route between Baltimore City and Pioneer City via National Security Agency (NSA) and Fort Meade. Service is primarily operated during peak periods with limited Saturday service.

- **Route 330** connects Columbia with the NSA and Fort Meade. Service is provided on weekdays only.

The MTA opened its Central Corridor Light Rail Line in May 1992, with service to BWI Airport beginning in August 1993. The line now connects Hunt Valley, downtown Baltimore, Glen Burnie and the BWI Airport employment area. The 27-mile line includes 31 stations with service every 15 minutes. In Anne Arundel County, six stations include: Baltimore Highlands, Nursery Road, North Linthicum, Linthicum, Ferndale and Cromwell Station/Glen Burnie. Park and ride lots are located at the Baltimore Highlands, Nursery Road, North Linthicum and Glen Burnie stations.

MARC provides rail service on two lines operating between Baltimore and Washington DC:

- **Camden Line (CSX Line)** - five southbound and five northbound trains per day with three stations in the area (Elkridge, Jessup, and Savage)

- **Penn Line (AMTRAK)** - 15 southbound and 15 northbound trains per day (including hourly off-peak service) with two stations in the area (BWI Airport, Odenton)

Amtrak operates Northeast Corridor trains that stop at the BWI station. Amtrak service is available from Penn and Union Stations to BWI Airport and New Carrollton stations.
The major roads serving the area include:

- I-695, Baltimore Beltway
- MD 46, connecting the Baltimore-Washington Parkway to the BWI Airport
- I-195
- MD 176, Dorsey Road
- MD 100, running east from MD 3
- MD 175, Jessup/Annapolis Road
- MD 32, connecting I-95 to Fort Meade/NSA
- I-97 (MD 3), connecting the center of Anne Arundel County to Baltimore
- MD 170, Telegraph Road/Camp Meade Road
- MD 713, Ridge Road
- MD 295, Baltimore-Washington Parkway
- U.S. 1
- I-95

A 1989 employee survey of congestion on area roadways indicated that ten of the 15 roads in the BWI Airport area included in the survey were described as "congested" or "very congested" by more than half of the employees who use them. Major highway and transit facilities to connect the BWI area with the region have been or are being developed. Facilities to accommodate circulation within the BWI area are not presently planned or programmed.

**2.4 COMMUTE CHOICE**

The Partnership conducted a survey of approximately 2,000 employees in the BWI employment area in the spring of 1989 as part of its strategic planning effort. The survey results indicated that 86 percent of employees drive alone to work, 13 percent rideshare, and only one percent ride transit.

According to the survey results, employees in the BWI employment area live in the following areas:

- 46.5% Anne Arundel County
- 19.2% Baltimore County
- 10.8% Howard County
- 7.9% Baltimore County
- 7.2% Prince Georges County
- 3.2% Carroll County
- 1.3% Frederick County
- 1.3% Harford County
- 1.1% Queen Anne’s County
- 0.7% Montgomery County
- 0.8% other
The median travel time for area employees is approximately 25 minutes with 59 percent of trips 30 minutes or less. The Partnership estimated average commute times from the following areas to the BWI Airport area as:

- Washington, DC 60 minutes
- Annapolis 45 minutes
- Baltimore (downtown) 20 minutes
- Baltimore (NE and NW) 30 minutes
- Rockville 50 minutes

Parking in the BWI employment area is readily available and for most employees (99 percent) parking is free.
3. DEMONSTRATION HISTORY

3.1 THE BWI BUSINESS Partnership, INC.

The BWI Business Partnership, Inc. is a nonprofit transportation management association operating in the area surrounding the BWI Airport. The Partnership was founded in 1985 as the Commuter Assistance Center (CAC) to address local transportation problems caused by rapid commercial, industrial and retail growth. The CAC was an outgrowth of the Airport Area Transportation Collaborative, a group of public agencies, private businesses and developers brought together in 1983 by the Regional Planning Council to address common transportation needs in the BWI Airport area. The CAC changed its name to the Greater BWI Commuter Transportation Center, and in 1993 changed again to the BWI Business Partnership, Inc.

The Partnership is a tax exempt nonprofit association organized under IRC Code 501(c)4. The Partnership is supported by area employers, developers, public authorities, and Anne Arundel County.

The Partnership’s member organizations encompass approximately 75 percent of the area’s workforce (over 70,000). A list of current member organizations is presented in Exhibit 3-1. The Partnership is governed by a Board of Directors which is drawn from the membership and includes representatives from both the public and private sectors.

The Partnership assists its members to promote and broker transportation facility and service improvements for the area. The Partnership:

- maintains a ridesharing database and provides free ridesharing matching services
- provides information on MTA bus and MARC commuter rail routes traveling through the BWI Airport area as well as on monthly passes
- monitors transportation improvements and publishes a monthly newsletter to keep members informed
- monitors employment, development and demographic trends in the area, including conducting a biannual employer survey on transportation and economic conditions
- supports specific transportation projects and improvements (e.g., testifies before appropriate legislative committees)
- supports individual employer’s programs (i.e., conducts on-site transportation fairs, administers Discount Bus Pass Program)
EXHIBIT 3–1
PARTNERSHIP MEMBERS *

Aetna Casualty and Surety
Airport Square Companies
Anne Arundel County
BTR Realty, Inc.
Baltimore Gas & Electric Company
BWI Development Council
Circle Companies
Constellation Real Estate, Inc.
Delmarva Foundation for Medical Care
Enterprise Rent-A-Car
First National Bank of Maryland
Guest Quarters Suite Hotel
Loral Western Development Labs
Manekin Corporation
Maryland Aviation Administration
National Security Agency
Phoenix Harbor Corporation
Signature Flight Support (previously Butler Aviation International)
West Group, Inc.
Westinghouse Electric Corporation
Weyerhaeuser Paper Company
Yellow Transportation, Inc.

* As of June 1992
The Partnership is positioning itself to assist area employers comply with the requirements of the 1990 Clean Air Act. Located in a severe ozone nonattainment area, employers in Anne Arundel County with 100 or more employees will be required to submit and implement plans, by November 1996, and November 1997, respectively, to increase average vehicle occupancy by 25 percent. The Partnership is prepared to assist employers by:

- conducting annual surveys
- developing trip reduction plans
- serving as the Employee Transportation Coordinator

The Partnership’s annual budget is funded by membership dues and contracts. Private sector members frequently provide in-kind contributions to support Partnership activities.

Membership dues are subject to the executive director’s discretion. Current annual dues are approximately:

<table>
<thead>
<tr>
<th>Employers</th>
<th>Developers</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 - 50 employees</td>
<td>$150</td>
</tr>
<tr>
<td>50 - 100 employees</td>
<td>$500</td>
</tr>
<tr>
<td>100 - 200 employees</td>
<td>$1,000</td>
</tr>
<tr>
<td>Over 200 employees</td>
<td>$1,500 to $2,500</td>
</tr>
<tr>
<td>Developers</td>
<td>$2,500</td>
</tr>
</tbody>
</table>

3.2 THE PARTNERSHIP STRATEGIC PLAN

The Partnership conducted a 12-month study, funded by the FTA, to develop a transportation related strategic plan for the BWI Airport area. The plan, completed in 1989, evaluated the area’s transportation needs based on current and future development plans and scheduled highway and transit improvements and developed recommendations for the next two to five years.

Research for the plan included a survey of area employees in April 1989. Eighty-six percent of the survey respondents indicated that they drove alone to work, 13 percent carpooled or vanpooled, and one percent rode transit.

Thirty-five percent of the respondents indicated that they would consider switching from a single occupant vehicle (SOV) to an alternative high occupancy vehicle (HOV) commute mode, transit or ridesharing, if a guaranteed ride home were available in case of emergency. Forty percent indicated they would consider a change, if flexible work days or schedules were implemented. Neither of these policies would require major capital investment.
Special incentives that might affect a respondent’s choice of commute mode include:

<table>
<thead>
<tr>
<th>Incentive</th>
<th>% of respondents who would consider switching to HOV if implemented</th>
</tr>
</thead>
<tbody>
<tr>
<td>flexible workdays or schedules</td>
<td>40%</td>
</tr>
<tr>
<td>guaranteed ride home</td>
<td>35%</td>
</tr>
<tr>
<td>express bus service</td>
<td>21%</td>
</tr>
<tr>
<td>carpool lanes</td>
<td>17%</td>
</tr>
<tr>
<td>improved frequency of transit</td>
<td>15%</td>
</tr>
<tr>
<td>carpool or vanpool reserved parking</td>
<td>13%</td>
</tr>
<tr>
<td>bus pass discount ($30)</td>
<td>11%</td>
</tr>
<tr>
<td>bus pass discount ($15)</td>
<td>10%</td>
</tr>
<tr>
<td>new or changed transit route</td>
<td>9%</td>
</tr>
</tbody>
</table>

The Strategic Plan recommended implementation of a GRH program to improve mobility in the BWI Airport area. The Partnership’s Transportation Priority Committee, comprised of employers and developers, included the GRH program as one of its top priorities.

### 3.3 SECTION 8 GRANT

On April 3, 1991, the BMC, formerly the Baltimore Regional Council of Governments, the metropolitan planning organization for the Baltimore region, applied for an FTA Section 8 grant on behalf of the Partnership to implement the guaranteed ride home demonstration program in the BWI Airport employment area. The GRH demonstration program would provide a model
program and evaluation for other suburban activity centers. Specific objectives of the GRH demonstration in the BWI employment area were to:

- test the procedures of a GRH program for effectiveness
- determine the extent to which a GRH program increases HOV use
- determine the extent to which the GRH program helps to retain HOV users
- determine the extent to which the GRH program serves as an incentive for membership in the TMA

The proposed demonstration grant would provide funds for start-up, implementation and evaluation of the guaranteed ride home program over an 18-month period:

- program development (four months) - establishment of parameters and procedures for the program including eligibility, claims limitation, reimbursement and recordkeeping
- program demonstration (12 months) - program marketing, implementation, and monitoring, including documentation of program use and cost
- program evaluation (two months) - assessment of the effect of GRH demonstration on HOV usage and TMA membership

The BMC requested $60,047 in Section 8 funds with proposed $26,000 nonfederal matching funds. The nonfederal match included a $14,400 in-kind contribution from Anne Arundel County and an $11,600 in-kind contribution from the Partnership. The in-kind contributions represented the following:

<table>
<thead>
<tr>
<th>Estimated Hours</th>
<th>Hourly Rate</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Personnel</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Project Manager (12 months)</td>
<td>210</td>
<td>$ 19.00</td>
</tr>
<tr>
<td>Project Assistant (18 months)</td>
<td>900</td>
<td>$ 16.00</td>
</tr>
<tr>
<td>Administrative/Clerical (12 months)</td>
<td>103</td>
<td>$ 9.75</td>
</tr>
<tr>
<td>Computer Equipment</td>
<td></td>
<td>$ 1,600</td>
</tr>
<tr>
<td>Additional Printing Costs</td>
<td></td>
<td>$ 4,000</td>
</tr>
<tr>
<td>Legal/Financial Services</td>
<td></td>
<td>$ 1,006</td>
</tr>
<tr>
<td>Total In-Kind Contributions</td>
<td></td>
<td>$ 26,000</td>
</tr>
</tbody>
</table>

3.5
FTA approved the grant on June 13, 1991. The BMC and the Partnership signed an agreement on September 19, 1991, which gave the Partnership primary responsibility for development and implementation of the GRH demonstration program. The BMC would participate in the survey work, including survey development and analysis.

3.4 GRH PROGRAM MANAGEMENT

The Executive Director of the Partnership served as the project manager for the demonstration grant. The project manager was responsible for:

- grant management and budget activities
- organization and management of the GRH Advisory Committee
- development of service agreements with the appropriate transportation providers for the program
- working with a marketing consultant to develop a marketing campaign to promote the program

The project assistant, assigned to the Partnership office by Anne Arundel County, was responsible for monitoring the program during the 12-month demonstration period. The project assistant:

- served as liaison with GRH program participants
- maintained the database of registrants and claims
- managed daily grant activities
- assisted in the coordination and delivery of products

The Partnership provided administrative/clerical support as needed.
The Partnership formed a GRH Advisory Committee from Partnership members and public transportation agency representatives to provide technical expertise and oversight to the GRH program. The Advisory Committee was initially comprised of representatives of:

- five employers (Aetna, GRAFCO, Guest Quarters Hotel, NSA, and Westinghouse Electric)
- Anne Arundel County
- the Baltimore Metropolitan Council
- the Maryland Department of Transportation
- the State Highway Administration
- the Maryland Aviation Administration
- the Partnership

The grant proposal to FTA had envisioned additional representation by developers and a taxi company.

The Partnership’s Board of Directors provided policy oversight for the Executive Director and the Advisory Committee.

3.5 THE GRH ADVISORY COMMITTEE

The Partnership established the GRH Advisory Committee at the beginning of the program development process. At the first meeting with the GRH Advisory Committee, on September 26, 1991, the Partnership briefed the new committee on the GRH program goals and objectives. The committee discussed program details including registration, eligibility, valid uses, billing procedures, and usage restrictions. At the second meeting of the Advisory Committee in November 1991, most of the program parameters were finalized.

Throughout the demonstration, the Partnership held regular meetings with the Advisory Committee to keep members informed of GRH program progress and problems. The Advisory Committee actively participated in key program decisions such as marketing and survey design. In September 1992, after the first six months of the demonstration, the Partnership and Advisory Committee developed additional program procedures based on an assessment of the program to date.
3.6 THE GUARANTEED RIDE HOME PROGRAM

The GRH program offered employees of member organizations, who use transit or rideshare at least three times per week and who register for the program, free rides home in the event of personal or family emergencies or unscheduled overtime. The GRH service was available 24 hours a day, seven days a week. During the 12-month period, each eligible, registered employee could use the guaranteed ride home six times for personal or family emergency situations and four times for unscheduled overtime. Other valid uses included carpool/vanpool vehicle breakdown, missing carpool/vanpool, or unexpectedly needing a vehicle for company business during the day.

To register for the program, an employee of a member organization completed and submitted to the Partnership a registration form providing information on their home and work locations, employer, and commute mode. A copy of the registration form is included as Exhibit 3-2. Upon receiving the registration form, the Partnership sent a confirmation letter along with detailed program procedures and a Registration Card to the new program participant. A copy of the basic program procedures is included as Exhibit 3-3. The Registration Card, which included the names and telephone numbers of the service providers, was useful as a quick reference for users as well as an identification card.

To utilize the GRH service, a registered program participant informed his or her supervisor of the emergency or overtime requirement and then directly called one of the participating service providers, either the taxi cab or rental car company. The taxi dispatcher or rental car company manager verified the caller’s eligibility with an alphabetical listing of registered participants. The taxi or rental car picked up the program user within 30 minutes. Program users were permitted to make additional stops directly related to the emergency, such as stops at the doctor’s office, school, or day care.

The program user received a receipt from the service provider but did not pay for the GRH service. The taxi company submitted vouchers to the Partnership for payment and the rental car company directly invoiced the Partnership. All taxes, tips and fuel charges were included as part of the free GRH service. The user did not incur any out-of-pocket charges.

After utilizing the GRH service, the program user submitted a copy of the receipt and a completed reimbursement certification form, signed by an authorized company representative verifying that the employee had a personal emergency or was required to work unscheduled overtime, to the Partnership. The Partnership then sent a follow-up survey to the user to assess how the service worked. The program participant was required to return both forms to the Partnership in order to remain eligible for future program use. The Reimbursement Certification and the Follow-up Survey are shown in Exhibits 3-4 and 3-5, respectively.
EXHIBIT 3-2
GRH REGISTRATION FORM

GREATER BWI COMMUTER TRANSPORTATION CENTER, INC.

REGISTRATION FORM

GUARANTEED RIDE HOME PROGRAM

Please print or type.

| APPLICANT NAME | ________________________________ |  |
| HOME ADDRESS | ________________________________ |  |
| . | City State Zip |  |
| EMPLOYER | ________________________________ |  |
| WORK ADDRESS | ________________________________ |  |
| WORK TELEPHONE | ________________________________ |  |

1. How many days per week do you use the following means to travel to and from work. (Check all that apply)

<table>
<thead>
<tr>
<th>Travel Method</th>
<th>Days per Week</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drive Alone</td>
<td>___ days per week</td>
</tr>
<tr>
<td>Carpool</td>
<td>___ days per week</td>
</tr>
<tr>
<td>Vanpool</td>
<td>___ days per week</td>
</tr>
<tr>
<td>Bus</td>
<td>___ days per week</td>
</tr>
<tr>
<td>Train</td>
<td>___ days per week</td>
</tr>
<tr>
<td>Walk</td>
<td>___ days per week</td>
</tr>
<tr>
<td>Bicycle</td>
<td>___ days per week</td>
</tr>
<tr>
<td>Other</td>
<td>___ days per week</td>
</tr>
</tbody>
</table>

* Would you be interested in additional participants?

___ Yes  ___ No

2. What is the estimated one-way distance from your home to your work place?

___ miles

3. What are your work hours?

(Circle)  (Circle)

Start ___ a.m./p.m.  End ___ a.m./p.m.
4. Do you have a valid driver’s license?  
   YES ___    NO ___

**MODE QUESTIONS**  ANSWER ALL THAT APPLY.

If you ride the bus, what bus route number do you use? ___

If you are in a carpool, please give the names and employers of the other participants.

<table>
<thead>
<tr>
<th>Name</th>
<th>Employer</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

If you are in a vanpool, please give the driver’s name.

<table>
<thead>
<tr>
<th>Name</th>
<th>Employer</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

I understand the guidelines of the Guaranteed Ride Home program and qualify by traveling to and from work at least three days per week by bus or 2 or more person carpool, or vanpool. I hereby release the Greater BWI Commuter Transportation Center from any liability, claims, and demands for personal injury; loss, theft, or damage to my personal property; loss of income; consequential damages resulting from delays or absence of a cab; or, termination of the program.

Participant Signature_________________ Date______

Mail this form to: Greater BWI Commuter Transportation Center, Inc.  
1344 Ashton Road, Suite 101  
Hanover, MD 21076

OR

FAX to CTC at 410-859-5917

QUESTIONS CALL 410-859-1000 BETWEEN 8:30AM - 5:00PM
EXHIBIT 3–3
GRH PROGRAM PROCEDURES

GUARANTEED RIDE HOME
REQUEST FOR SERVICE

PROCEDURES

In the event of a personal emergency or unscheduled overtime you may request a Guaranteed Ride Home.

You may call a free taxi or rental car. Taxes, tips (maximum 15%) and fuel charges are all included. You should have no out of pocket expenses. If you do, you can submit a reimbursement request to CTC offices.

1. Inform your supervisor that you are leaving work. Our office will send monthly use reports to each company.

2. For Taxi Service - Call 859-1100.
   For Rental Car - Call 787-9210 M-F 8-6, Sat 8-12, Sun Closed
   * Identify yourself as a Guaranteed Ride Home participant.
   * Give your employer's name and your name. They will have a list of eligible employees.
   * Give your location to be picked up. A taxi or the rental car shuttle will be dispatched to pick you up.

3. If using a taxi, please take note of the meter charge when the taxi arrives. In most cases, there will be a charge on the meter. You will need to report this on your reimbursement certification form.

4. You may make additional stops on your trip home if they are related to your emergency (doctor's office, school, day care, etc.)

5. CTC will be billed directly by the provider. If for some reason, you encounter out of pocket expenses, let CTC offices know immediately and we will reimburse your expenses.

6. You should keep a copy of your receipt and send to CTC with your reimbursement certification form. These must be sent to CTC offices within 24 hours.

7. Your reimbursement certification form should include your supervisor's signature (authorized company representative). Mail or fax to CTC offices.

8. You must return the rental car within 24 hours. Take car to 502 Crain Highway (across from Empire Towers) Glen Burnie, MD. You will receive a ride back to the office.

9. You will be sent a survey after receipt of your verification form to assess how the service worked for you.

- OVER -

3.11
EXHIBIT 3–3 (continued)
GRH PROGRAM PROCEDURES

10. You can not receive another Guaranteed Ride Home until your reimbursement certification form and survey have been completed.

11. Remember, you are allowed 4 rides for unscheduled overtime and 6 rides for emergencies. If you exceed this allotment, you will be billed by CTC offices.

If you have any questions, you may call CTC offices at 859-1000 between 8:30 a.m. - 5:00 p.m.

Our address is: Greater BWI Commuter Transportation Center
1344 Ashton Road, Suite 101
Hanover, MD 21076
Our fax number is: 410-859-5917
EXHIBIT 3-4
REIMBURSEMENT CERTIFICATION

Greater BWI Commuter Transportation Center, Inc.
GUARANTEED RIDE HOME (GRH)
REIMBURSEMENT CERTIFICATION

You must complete this form after you use the GRH service. Attach your transportation receipt. Completion of this report will insure that you will be eligible for another GRH service when needed.

Employee Name ________________________________

Employer ______________________________________

Work Address ______________________________________

Work Telephone ______________________________________

1. Service Used: Rental Car ________ Taxi ________

*If you used a taxi, did you record the meter amount when you first entered the cab? If so, what was the amount ________.

2. Date Used: __________

3. You ride at least 3 days a week in which of the following: (Circle)

Carpool  Vanpool  MARC/Amtrak Train  Bus

4. Reason for Guaranteed Ride Home use:

____ Home Emergency

____ Worked Unscheduled Overtime

____ Other ______________________________________

I affirm the above information is true to the best of my knowledge.

_________________________________ Date

Supervisor’s Signature                           Date

_________________________ Date

Employee

Mail Completed Form: Greater BWI Commuter Transportation Center
1344 Ashton Road, Suite 101
Hanover, MD 21076

Or Fax To: (410) 859-5917
EXHIBIT 3–5
GRH FOLLOW–UP SURVEY

Guaranteed Ride Home
Follow-Up Survey

The purpose of this survey is to ensure that your unexpected travel needs were met by the Guaranteed Ride Home service. You must complete this form and send it to CTC offices to be eligible for another Guaranteed Ride Home.

Name:
Company:
Work Phone:

1. Date of Guaranteed Ride Home:

2. Method of Ride Home: _____ Taxi _____ Rental Car

3. How long did you wait before being picked up or before car arrived?
   0-10 Minutes _____
   10-20 Minutes _____
   20-30 Minutes _____
   30-40 Minutes _____
   40 + Minutes _____

4. Reason for Ride:
   You were ill _____
   A family member was ill _____
   Overtime _____
   Other (Please Explain) ________________________________

5. Did you have to make a related stop on your way home?
   _____ Yes _____ No
6. How would you rate the following for your ride home?  
(Respond to questions for your mode of travel)

<table>
<thead>
<tr>
<th>Taxi Riders</th>
<th>Excellent</th>
<th>Satisfactory</th>
<th>Needs Improvement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Driver Courtesy</td>
<td>_______</td>
<td>_______</td>
<td>_______</td>
</tr>
<tr>
<td>Cleanliness of Auto</td>
<td>_______</td>
<td>_______</td>
<td>_______</td>
</tr>
<tr>
<td>Pick-up Promptness</td>
<td>_______</td>
<td>_______</td>
<td>_______</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Rental Car Drivers</th>
<th>Excellent</th>
<th>Satisfactory</th>
<th>Needs Improvement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cleanliness of Auto</td>
<td>_______</td>
<td>_______</td>
<td>_______</td>
</tr>
<tr>
<td>Delivery Time for Vehicle</td>
<td>_______</td>
<td>_______</td>
<td>_______</td>
</tr>
<tr>
<td>Personnel Courtesy</td>
<td>_______</td>
<td>_______</td>
<td>_______</td>
</tr>
</tbody>
</table>

7. How did your experience with Guaranteed Ride Home compare with your expectations?

_____ Exceeded  _____ Satisfied  _____ Fallen Short

8. Comments:  

________________________________________________________________________

________________________________________________________________________

__________________________________________

Thank you. Please mail in postage paid envelope to:  
Greater BWI Commuter Transportation Center, Inc.  
1344 Ashton Road, Suite 101  
Hanover, MD 21076
3.7 AGREEMENTS WITH SERVICE PROVIDERS

The Partnership initially established contracts with two service providers for the GRH program:

■ Enterprise Rent-A-Car

■ Ground Transportation Professionals, Inc., which operates the taxi service at the BWI Airport

Both service providers were available to provide the GRH service 24 hours per day, seven days per week. Both service providers agreed to pick up the GRH program user at the work site within 30 minutes.

The rental car company charged $29.58 for the GRH service. The user was allowed to keep the rental car for up to 24 hours through the GRH program. The user would be responsible for paying for use beyond the 24-hour period.

The taxi company charged on a per mile basis to provide the GRH service. The agreement with the taxi company allowed the taxi meter to start at the airport terminal where the taxi was dispatched rather than the worksite location where the GRH program user was picked up. The GRH program would cover both the cost of the taxi ride and the tip (up to 15 percent).

3.8 MARKETING

The Partnership recognized the importance of developing an effective marketing program for the new GRH program. The Partnership requested proposals to perform promotional functions for the GRH program from ten area marketing firms and received nine responses. The Partnership appointed a committee to review the proposals. In November 1991, the Committee selected Market Design International, based in Annapolis, MD, to develop the marketing concept and create the marketing materials for the GRH program.

Market Design International assessed the target population and developed a marketing program to reach different target audiences effectively. The audience for marketing included two main groups:

■ employees of Partnership members who must be persuaded to register for the GRH program

■ potential Partnership members who must be recruited to join the Partnership
Using the results of a survey conducted by the Partnership in 1989, Market Design International identified three categories of employees of current Partnership members with different attitudes and behavior regarding ridesharing and transit:

- **current ridesharers** - the 14 percent of survey respondents who regularly commuted to work by carpool, vanpool or transit
- **receptive nonridesharers** - the 35 percent of survey respondents that indicated that they would consider ridesharing if a guaranteed ride home were available
- **undecided/unpersuaded** - the remaining 51 percent of respondents that included persons who could not rideshare due to personal/work requirements as well as persons who could rideshare but had not yet been persuaded to do so

The marketing approach for each group was different. Employees of member companies who already used transit, carpooled or vanpooled needed only to be informed about the availability of the program. The primary target audience, receptive nonridesharers, needed to be made aware of the program and the ease of program registration and use. For the undecided/unpersuaded group, the marketing effort needed to focus on the benefits of ridesharing itself. Marketing for area employers not currently members of the Partnership needed to focus on the many benefits available through the Partnership, including the GRH program.

Marketing Designs International developed a complete marketing campaign centered around the theme “Don’t Get Marooned at Work.” The marketing techniques employed include:

- **a point of purchase display** with accompanying pamphlets for posting in a prominent, common area at each member worksite location. The display was designed as a pop easel to provide flexibility to use as a free standing counter display or a poster.

- **a multi-purpose pamphlet** which provides detailed information about the program and registration procedures. The pamphlet included a mail back request for more information. The pamphlet was distributed via the point of purchase display and also by mail.

- **public service announcements** which promoted the GRH program on a mass scale. The advertising time was provided free of charge by several radio stations.

- **public relations** activities, including press conferences and press releases, were used to create awareness of the GRH program in the general public. The public relations activities were primarily conducted in conjunction with the program kick off. Public relations activities reached employees of member organizations as well as other residents and employees of the region with information about the program and the benefits of ridesharing. Public relations activities also contributed to public awareness of the Partnership itself.
The point of purchase displays and pamphlets were used to introduce employees of participating member organizations to the program. Radio and print advertising, premiums and public relations activities were important components for publicizing the GRH program and its benefits to the residents and employees of the BWI Airport area. Promotion of the GRH program also served to increase awareness of the Partnership and help recruit new corporate members.

In promoting the GRH program, the Partnership emphasized its many benefits. The primary benefits are the benefits of ridesharing itself including reduced cost, pollution control, traffic control, and stress reduction. The GRH program enables participants to enjoy these benefits:

- **sense of security** - ridesharers know they will not be stranded in the office in the event of an emergency or unscheduled overtime
- **stress reduction** - ridesharers can enjoy the ride and perhaps get additional work done or unwind before they get home
- **money savings** - ridesharers can save money on gas and vehicle maintenance by leaving their car at home
- **ecological benefits** - ridesharers contribute to reduction of highway congestion, conservation of fuel, and reduction of pollution

The GRH program was officially kicked off on March 10, 1992 with a briefing for member organizations and a press conference at the Guest Quarters Suite Hotel. The Partnership invited all member organizations to attend the program kick off. At the briefing, the Partnership introduced the program and distributed marketing materials and promotional items including the point of purchase poster for display in common areas, program pamphlets for use in conjunction with the poster or individually, and program buttons.

The press conference was conducted immediately following the briefing to announce the new program. Speakers at the press conference included:

- the Executive Director of the Partnership who presented a summary of the GRH program and its benefits
- the Economic Development Director of Anne Arundel County who spoke of the importance of the GRH program to the county
- the Secretary of the State of Maryland Department of Transportation who discussed the importance of the GRH program to state initiatives
The kick off identified the beneficiaries of the GRH program which include:

- **commuters** who would save money by ridesharing or using transit rather than driving alone to work
- **employers** who can offer a free benefit to their employees
- **residents and employees** in Anne Arundel County who would benefit from reduced traffic congestion on roads and reduced hazardous vehicle emissions

Some member employers supplemented the Partnership’s marketing materials with additional in-house efforts. For example, Westinghouse featured a write-up on the new GRH program in its employee newsletter in March 1992.

### 3.9 ADMINISTRATIVE CHANGES

In September 1992, after the first six months of the demonstration, the Partnership implemented additional GRH program policies and procedures designed to reduce costs and abuse. These included:

- sending monthly reports to each participating company identifying the name, date and reason for each use by an employee of the company (to improve usage verification)
- requiring employees who live 40 miles or more from the work site to use a rental car rather than a taxi to reduce program costs
- charging additional usage of rental cars beyond the 24-hour period provided by the GRH program to the individual
- requiring that the reimbursement certification and follow-up survey forms be returned to the Partnership prior to additional use of the service
- contacting participants after three uses of the service to provide an update on the number of GRH trips used and the number remaining
- requesting taxi users to record the amount on the meter when they are picked up

The Partnership sent letters to all GRH registered participants on September 14, 1992, explaining the administrative changes.
4. EVALUATION APPROACH

The objective of the evaluation was to assess the effectiveness of the GRH demonstration program in meeting its primary goals and objectives. The evaluation would:

- test the procedures of the GRH program for effectiveness
- determine the extent to which the GRH program increases HOV use
- determine the extent to which the GRH program helps to retain HOV users
- determine the extent to which the GRH program serves as an incentive for membership in the TMA

This section of the report documents the evaluation approach, specifically the data collected and analyses performed.

4.1 BACKGROUND

In February 1993, the Volpe Center issued a task order to Science Applications International Corporation/KPMG Peat Marwick to conduct an evaluation of the GRH program demonstration in the BWI Airport employment area. The evaluation was initiated just as the year long demonstration program was ending. The timing of the evaluation thus precluded defining the data collection requirements and methodologies prior to and during the demonstration. The evaluation plan was developed to make use of available data which were collected prior to and during the demonstration, supplemented by post-demonstration collection of data on commute behavior.

The evaluation included the following components:

- documentation and assessment of the program development and implementation processes
- analysis of program use over the 12-month demonstration period, including:
  - program participation (i.e., employees registering for the program)
  - actual program use
- analysis of the cost of the program, including administrative costs and reimbursements to service providers
- analysis of program abuse
- analysis of the attitudes and perceptions of program users and the employers participating in the program
- analysis and comparison of commute behavior prior to implementation of the GRH program and after the one-year demonstration period
- analysis of the impact of implementation of the GRH program on the choice of commute mode
- analysis of the impact of the availability of the GRH program on TMA membership

Data collected by the Partnership prior to and during the demonstration included:

- baseline data on commute behavior through a pre-demonstration survey of employees of member organizations
- routine program cost and use data
- the Follow-up Surveys of user satisfaction completed after each program use

KPMG Peat Marwick gathered additional data through the following:

- interviews with Partnership staff
- a post-demonstration survey of employees of member organizations regarding commute behavior
- interviews with Partnership member organizations

4.2 BASELINE SURVEY

In order to test the effectiveness of the GRH program, the Partnership planned to survey employees at each member organization prior to initiation of the program to collect baseline commute data and again after the year long demonstration to determine how commuting behavior and attitudes had been affected by the GRH program.

The Partnership worked with the BMC to develop the survey questionnaire to collect baseline data on commute behavior, the extent of emergency and overtime situations, and desired GRH program characteristics. The GRH Advisory Committee reviewed and approved the questionnaire. A copy of the baseline survey questionnaire is included in Exhibit 4-1.
The following survey was created to assist in the development of a Guaranteed Ride Home (GRH) program in the BWI Airport area. The program will offer employees who commute to work by carpool, vanpool, bus or train a free ride home in case of a personal/family emergency or unscheduled overtime. Your participation in this survey process is important to the development of an effective program.

1. How do you get to work each week? (Indicate all methods used.)
   
   Drive alone _____ days per week
   Carpool _____ days per week
   Vanpool _____ days per week
   Bus _____ days per week
   Train _____ days per week
   Other _____ days per week

2. Over the past year, how many times have you had a personal/family emergency that required you to leave work early?

   None _____
   One _____
   Two _____
   Three _____
   Four _____
   Five or More _____

3. In the most recent emergency, how did you get home or to your destination to respond to the emergency?

   Drove own car _____
   Taxi _____
   Friend/family member _____
   Coworker _____
   Bus _____
   Other (specify) _____

4. How did you get home the last time you worked overtime? (Check appropriate travel mode in each column.)

   Unscheduled Overtime (Didn't know until that day)
   Scheduled Overtime (Knew in advance)

   Drove own car _____ _____
   Friend/family member _____ _____
   Coworker _____ _____
   Taxi _____ _____
   Bus _____ _____
   Other (specify) _____ _____
EXHIBIT 4–1 (continued)
BASELINE SURVEY

5. How often have you done the following over the past year?
   a) Worked unscheduled overtime ______ days per month
   b) Worked scheduled overtime ______ days per month
   c) Needed personal car for official business during work hours ______ days per month
   d) Needed car for personal use during day ______ days per month

6. How concerned are you about being without your car in each situation below?

<table>
<thead>
<tr>
<th>Very Concerned</th>
<th>Concerned</th>
<th>Not Concerned</th>
</tr>
</thead>
</table>
   a) Family emergency ______ ______ ______
   b) Need to work late ______ ______ ______
   c) Need to run errands ______ ______ ______
   d) Need car for business ______ ______ ______
   e) Other situations ______ ______ ______

7. Would you try riding in a carpool, vanpool, bus or train if you were guaranteed a ride in case of a personal/family emergency or needed to work late?

   Yes ______ No ______
   If no, why not? ____________________________________________

8. The Guaranteed Ride Home program will offer free transportation. Which form of transportation would you feel the most comfortable using?

   Taxi ______
   Rental car ______
   Company car ______
   Public bus ______
   Other (specify) __________________________________________

9. What must a Guaranteed Ride Home service offer before you would consider using it? (Check one level for each.)

<table>
<thead>
<tr>
<th>Very Important</th>
<th>Important</th>
<th>Less Important</th>
</tr>
</thead>
</table>
   a) Short waiting period ______ ______ ______
   b) No cost ______ ______ ______
   c) Door-to-door service ______ ______ ______
   d) Reliability ______ ______ ______
   e) Other (specify) ______ ______ ______

10. How many days per week do you work at this site? ________
11. How many days per week do you have a vehicle available to drive to work? ______

12. What is the estimated distance from your home to your work place (one way)? ______ miles

13. What is your age group?

Under 20 ______ 20-39 ______ 40-59 ______ 60+ ______

14. What is your sex?

Male ______ Female ______

15. What are your typical work hours?

Start time _______ a.m./p.m.  End time _______ a.m./p.m.

16. What is your home ZIP Code? ______

17. Do you have children who live with you? ______

How many are under the age of 2? ______
How many are between the ages of 2-5? ______
How many are between the ages of 6-11? ______
How many are between the ages of 12-18? ______

18. Additional comments:

_________________________________________________________________
_________________________________________________________________
_________________________________________________________________
_________________________________________________________________

If you have any questions pertaining to this survey or need commuter information, please contact the Greater BWI Commuter Transportation Center at 859-1000.

Please return this survey in the enclosed postage-paid envelope to the Greater BWI Commuter Transportation Center, 1344 Ashton Road, Suite 101, Hanover, MD 21076.
The Partnership targeted 24 percent of the employees of each participating member organization (approximately 6,100) to receive the baseline survey. The Partnership determined the number of employees to be selected at random from each employer. For most employers, the Partnership selected the random sample from employer provided personnel listings and the employer distributed the questionnaires to the selected employees. For security reasons, several member organizations selected the random sample and handled the questionnaire distribution themselves. The Partnership coded each survey by employer and by employee.

The Partnership conducted a test of the survey at Aetna Life and Casualty in November 1991. The BMC developed an analysis template and compiled the responses.

The survey test was successful and the Partnership distributed the remaining questionnaires in December 1991, and January 1992. The Partnership received 2,503 surveys in response, for a response rate of 41 percent. The BMC tabulated the results.

**4.3 PROGRAM USAGE AND COST DATA**

During the demonstration, the Partnership documented program registrations, program use, and program cost. Peat Marwick summarized and analyzed the usage and cost data collected by the Partnership.

**4.4 FOLLOW-UP ATTITUDE SURVEY**

After each use of the GRH program, the user was required to complete and submit to the Partnership a follow-up survey. The questionnaire solicited information regarding the reason for using the GRH service and the user’s satisfaction with the program. (A copy of the survey is included in Exhibit 3-5.)

Peat Marwick tabulated the results of the follow-up surveys submitted to the Partnership through March 4, 1993. This information formed the basis for the assessment of user satisfaction.

**4.5 POST-DEMONSTRATION SURVEY**

The primary objective of the GRH demonstration evaluation was to assess the impact of the program on commute behavior. The baseline survey completed by employees early in 1992 provided data on commute behavior prior to implementation of the GRH demonstration. Peat Marwick designed a post-demonstration survey to collect comparable data on commute behavior after the year long demonstration of the GRH program. Comparison of the before and after data would provide a basis for determining the effect of the GRH program on commute behavior.
Peat Marwick designed the post-demonstration questionnaire to collect information on current commute choice, changes in commute behavior since March 1992, when the GRH program was implemented, and the factors contributing to changes in commute mode. The questionnaire also addressed the extent of personal emergency situations and unscheduled overtime during the demonstration period that might be eligible for GRH.

Peat Marwick reviewed the draft questionnaire with the Partnership, the GRH Advisory Committee, FTA and the Volpe Center. A copy of the post-demonstration questionnaire is included in Exhibit 4-2.

To provide an effective basis for comparing before (baseline) and after (post-demonstration) commute behavior, Peat Marwick recommended that the post-demonstration questionnaire be distributed only to those employees (2,503) who had responded to the initial baseline survey early in 1992. The Partnership coded the post-demonstration questionnaires using the codes developed for the baseline survey. Employers distributed the questionnaires to employees in May 1993.

The BMC tabulated the results of the post-demonstration survey and retabulated the baseline survey responses for those employees who responded to the post-demonstration survey.

4.6 INTERVIEWS WITH MEMBER ORGANIZATIONS

Peat Marwick contacted representatives of selected member organizations to discuss the GRH demonstration program. The companies contacted included:

- NSA
- Westinghouse
- Aetna
- Heritage

These companies were selected on the following basis:

- the largest number of employees
- the greatest number of GRH program uses
- membership on the Advisory Committee
- new membership in the TMA
EXHIBIT 4–2
POST–DEMONSTRATION SURVEY

COMMUTE SURVEY

In March 1992, The BWI Business Partnership, Inc. (formerly the Greater BWI Commuter Transportation Center) implemented a guaranteed ride home program (GRH) for employees of member organizations in the BWI Airport employment area. The GRH program provides free rides home in case of a personal/family emergency or unscheduled overtime for employees who regularly commute by carpool, vanpool, bus or train (at least 3 days per week) and who have registered for the program. This survey is being conducted to compare commute behavior before and after implementation of the Guaranteed Ride Home program.

Please return this survey as instructed by your employer. If you have any questions, please call the BWI Business Partnership at 859-1000.

1. What travel mode(s) do you currently use to get to work each week? (Indicate all modes used)

   Drive alone _____ days per week  Bus _____ days per week
   Carpool _____ days per week  Train _____ days per week
   Vanpool _____ days per week  Other _____ days per week

2. Have you changed your travel mode to and from work since the GRH program was implemented in March 1992?

   Yes _____  No _____ (go to question #5)

   If yes, what travel mode(s) did you use previously?

   Drive alone _____ days per week  Bus _____ days per week
   Carpool _____ days per week  Train _____ days per week
   Vanpool _____ days per week  Other _____ days per week

3. How important was the Guaranteed Ride Home program in your decision to change how you travel to and from work?

   Very important _____  Important _____
   Not important _____  Other _____ (Please explain) ____________________________________________

4. What other factors contributed to your change in commute modes since March 1992?

   Change in job _____  Change in transit service _____
   Change in work hours _____  Change in employer shuttle service _____
   Change in location of work site _____  Other (specify) _____
   Change in location of home _____  Other (specify) _____
   Change in family status _____
EXHIBIT 4–2 (continued)
POST–DEMONSTRATION SURVEY

5. If you are eligible (i.e. commute by carpool, vanpool, bus or train at least three days per week), did you register for the Guaranteed Ride Home program?

Yes _____   No _____   If no, why not?

Didn’t think I was eligible
Thought I would have to pay
Didn’t think I would need service
Have other means to get home
Too much trouble to register
Didn’t know about/understand program
Other (specify) _______________

6. Since March 1992, how many times have you had a personal/family emergency that required you to leave work early?

None _____   One _____   Two _____   Three _____   Four _____   Five or more _____

7. In the most recent emergency, how did you get home or to your destination to respond to the emergency?

Guaranteed Ride Home program _____   Drove own car _____
Taxi _____   Friend/family member _____
Bus _____   Coworker _____
Train _____   Other _____

8. How did you get home the last time you worked overtime? (Check appropriate travel mode in each column.)

<table>
<thead>
<tr>
<th></th>
<th>Unscheduled (Didn't know until that day)</th>
<th>Scheduled (Knew in advance)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Guaranteed Ride Home</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>program</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drove own car</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Friend/family member</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Coworker</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Taxi</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bus</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Train</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other (specify)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
EXHIBIT 4–2 (continued)
POST–DEMONSTRATION SURVEY

9. Since the inception of the GRH program in March 1992, how often have you done the following?

| Working unscheduled overtime | ___ days per month |
| Worked scheduled overtime | ___ days per month |
| Needed personal car for official business during work hours | ___ days per month |
| Needed car for personal use during day | ___ days per month |

10. How far do you live from your worksite (number of miles one way)? ___

11. What days per week do you typically work?

| Monday | Tuesday | Wednesday | Thursday | Friday | Saturday | Sunday | Varies | # days |
| ___ | ___ | ___ | ___ | ___ | ___ | ___ | ___ | ___ |

12. What are your typical work hours?

Start time ___ a.m./p.m. End time ___ a.m./p.m.

13. How many days per week do you have a vehicle available to drive to work? ___

14. What is your occupation?

| Sales | Manager |
| Administrative/Clerical | Production Worker |
| Technical | Service Worker |
| Professional | Other (specify) |

15. Do you have children who live with you? Yes ___ No ___

If yes, how many are:

| Under the age of 2? | ___ |
| Between the ages of 2 and 5? | ___ |
| Between the ages of 6 and 11? | ___ |
| Between the ages of 12 and 18? | ___ |

16. What is your ZIP code? ________

17. Additional comments:

______________________________________________________________________________________________

______________________________________________________________________________________________

______________________________________________________________________________________________

4.10
5. DEMONSTRATION RESULTS

This section of the report presents the results of the evaluation of the GRH demonstration in the BWI Airport employment area.

5.1 GRH PROGRAM PARTICIPATION

Program registration increased steadily throughout the one-year demonstration, from 241 in March 1992, to 732 in March 1993. Exhibit 5-1 shows the number of participants in the GRH program by month. The Partnership adjusted the numbers each month to reflect new registrations as well as deletions from the program as a result of employment termination or program ineligibility.

Exhibit 5-2 shows the approximate number of employees and GRH program participants (as of March 1993) for each member organization. Not all member organizations had employees who participated in the GRH program. The two largest member organizations, the National Security Agency (NSA) and Westinghouse Electric, had the largest number of program participants, 542 and 111 respectively. However, this represented a small percentage (five percent or less) of total employees of these organizations. The Guest Quarters Hotel had the highest percentage of employee participation (approximately 17 percent of employees registered for the program).

5.2 GRH PROGRAM USE

During the demonstration period, eligible registered program participants used the program for 287 GRH trips. Exhibit 5-3 shows GRH program use by month. While registration for the program increased steadily during the demonstration period, actual program use fluctuated monthly. Program registration began in March 1992, but actual program use did not occur until April 1992. Program use peaked in June 1992 with 39 uses, dropped off significantly in November 1992 with only 13 uses, and increased again sharply in January 1993 with 35 uses. Average monthly program use was 24 trips.

Exhibit 5-4 shows program use by employees of each member organization. Not surprisingly, Westinghouse Electric and NSA with 10,000 or more employees each and the greatest number of program participants, had the highest percentage of program usage, 28.9 percent and 27.9 percent, respectively. The Guest Quarters Hotel, with fewer than 200 employees, accounted for 24.4 percent of program use.

The 287 GRH trips actually taken during the demonstration period represent less than four percent of the total number of trips available if each program participant used the maximum number of trips allowed (ten).
EXHIBIT 5-1
GRH PROGRAM PARTICIPANTS

NUMBER OF PARTICIPANTS

MAR APR MAY JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR
# EXHIBIT 5-2
## GRH PROGRAM PARTICIPATION BY MEMBER ORGANIZATION

<table>
<thead>
<tr>
<th>Company</th>
<th>Number of Employees</th>
<th>Number of Participants</th>
<th>Percent Participation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aetna Casualty and Surety</td>
<td>100</td>
<td>13</td>
<td>13.0%</td>
</tr>
<tr>
<td>Baltimore Gas &amp; Electric Company</td>
<td>120</td>
<td>4</td>
<td>3.3%</td>
</tr>
<tr>
<td>Delmarva Foundation for Medical Care</td>
<td>12</td>
<td>1</td>
<td>8.3%</td>
</tr>
<tr>
<td>Guest Quarters Suite Hotel</td>
<td>170</td>
<td>29</td>
<td>17.1%</td>
</tr>
<tr>
<td>Heritage Encon</td>
<td>10</td>
<td>1</td>
<td>10.0%</td>
</tr>
<tr>
<td>Loral Western Development Labs</td>
<td>650</td>
<td>8</td>
<td>1.2%</td>
</tr>
<tr>
<td>MDOT/SHA</td>
<td>250</td>
<td>11</td>
<td>4.4%</td>
</tr>
<tr>
<td>National Security Agency</td>
<td>&gt;10,000</td>
<td>542</td>
<td>5.4%</td>
</tr>
<tr>
<td>Signature Flight</td>
<td>200</td>
<td>5</td>
<td>2.5%</td>
</tr>
<tr>
<td>Westinghouse Electric Corporation</td>
<td>10,000</td>
<td>112</td>
<td>1.1%</td>
</tr>
<tr>
<td>Weyerhaeuser Paper Company</td>
<td>45</td>
<td>6</td>
<td>13.3%</td>
</tr>
</tbody>
</table>

**Total All Participating Organizations**

|                                                                 | 21,557             | 732                    | 3.4%                  |
EXHIBIT 5-3
GRH PROGRAM USE BY MONTH

NUMBER OF TRIPS

APR  MAY  JUN  JUL  AUG  SEP  OCT  NOV  DEC  JAN  FEB  MAR
EXHIBIT 5-4
GRH PROGRAM USE BY COMPANY

Participants by Company

Use By Company

Legend:

- NSA
- SHA
- Westinghouse
- Aetna
- Weyerhauser
- Guest Quarters
- Other
A total of 114 program participants utilized the service during the demonstration, about 15 percent of the maximum number of participants (732 in March 1993). Exhibit 5-5 shows GRH trips per user. Most program users (47.4 percent) made only one GRH trip. The percentage of users making more than one GRH trip dropped significantly, with 19.3 percent using the program twice, 10.5 percent using the program three times, and 7.0 percent using the program four times. Only 15.8 percent of the program users made five or more GRH trips. Only one person (0.9 percent) used the program nine times and only one person used the program ten times. The average number of GRH trips per user was 2.5.

Two thirds of the GRH trips were made by taxi (192, or 67 percent) and one third of the trips (95, or 33 percent) were made with a rental car.

5.3 GRH PROGRAM COST

5.3.1 Administrative Costs

The Partnership’s start-up costs for the GRH program were $47,810 including:

<table>
<thead>
<tr>
<th>Item</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Direct Labor, Manager</td>
<td>$9,460</td>
</tr>
<tr>
<td>Direct Labor, Administrative</td>
<td>3,012</td>
</tr>
<tr>
<td>Consultant (Survey)</td>
<td>6,000</td>
</tr>
<tr>
<td>Overhead</td>
<td>4,610</td>
</tr>
<tr>
<td>Travel</td>
<td>123</td>
</tr>
<tr>
<td>Equipment</td>
<td>1,376</td>
</tr>
<tr>
<td>Supplies</td>
<td>1,678</td>
</tr>
<tr>
<td>Marketing Material</td>
<td>15,985</td>
</tr>
<tr>
<td>Computer Programming</td>
<td>1,450</td>
</tr>
<tr>
<td>Postage/Delivery</td>
<td>1,897</td>
</tr>
<tr>
<td>Photocopies</td>
<td>894</td>
</tr>
<tr>
<td>Telephone Expense</td>
<td>22</td>
</tr>
<tr>
<td>Meetings</td>
<td>1,304</td>
</tr>
<tr>
<td>Total</td>
<td>$47,810</td>
</tr>
</tbody>
</table>

The continuing cost to administer the GRH program includes primarily labor costs of approximately $20,000 per year. This is based on current salaries and the percentage of time spent on the GRH program for specific Partnership employees, as follows:

<table>
<thead>
<tr>
<th>Employee</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Executive Director</td>
<td>15%</td>
</tr>
<tr>
<td>Manager, Transportation Service</td>
<td>25%</td>
</tr>
<tr>
<td>Executive Assistant</td>
<td>25%</td>
</tr>
</tbody>
</table>
EXHIBIT 5-5
GRH PROGRAM TRIPS PER USER

<table>
<thead>
<tr>
<th>NO. OF TRIPS</th>
<th>PROGRAM USERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>.9%</td>
</tr>
<tr>
<td>9</td>
<td>.9%</td>
</tr>
<tr>
<td>8</td>
<td>2.6%</td>
</tr>
<tr>
<td>7</td>
<td>3.5%</td>
</tr>
<tr>
<td>6</td>
<td>4.4%</td>
</tr>
<tr>
<td>5</td>
<td>3.5%</td>
</tr>
<tr>
<td>4</td>
<td>7.0%</td>
</tr>
<tr>
<td>3</td>
<td>10.5%</td>
</tr>
<tr>
<td>2</td>
<td>19.3%</td>
</tr>
<tr>
<td>1</td>
<td>47.4%</td>
</tr>
</tbody>
</table>
5.3.2 Reimbursements to Service Providers

The Partnership initially budgeted $3,000 for reimbursement to the taxi cab and rental car companies for program use during the demonstration. Within a few months of program implementation, the Partnership realized that actual program reimbursements would exceed the budgeted amount. In fact, program reimbursements exceeded $4,000 by September 1992, midway through the demonstration.

The Partnership reimbursed the two service providers a total of $9,158 for the 287 trips provided during the demonstration, for an average reimbursement per GRH trip of $31.91. Per trip reimbursements to the taxi company ranged from $12 to $131, with an average reimbursement of $32.76. The average per trip taxi charge varied considerably by company as shown below:

<table>
<thead>
<tr>
<th>Company</th>
<th>Average Taxi Charge</th>
</tr>
</thead>
<tbody>
<tr>
<td>BG&amp;E</td>
<td>$56.10</td>
</tr>
<tr>
<td>NSA</td>
<td>$46.58</td>
</tr>
<tr>
<td>Aetna</td>
<td>$33.92</td>
</tr>
<tr>
<td>Weyerhaeuser</td>
<td>$31.87</td>
</tr>
<tr>
<td>Delmarva</td>
<td>$29.20</td>
</tr>
<tr>
<td>Westinghouse</td>
<td>$27.36</td>
</tr>
<tr>
<td>SHA</td>
<td>$25.00</td>
</tr>
<tr>
<td>Guest Quarters</td>
<td>$24.96</td>
</tr>
<tr>
<td>Heritage</td>
<td>$19.00</td>
</tr>
<tr>
<td>Signature (Butler)</td>
<td>$15.83</td>
</tr>
<tr>
<td>MDOT</td>
<td>$14.60</td>
</tr>
</tbody>
</table>

This variation is attributable both to the distance from the user’s worksite to home and the distance from the airport to the worksite. Under the terms of the agreement with the taxi company, the taxi meter was started at the taxi facility near the airport, not the passenger pick-up location. For example, the NSA, whose primary facility at Fort Meade is over ten miles from the airport, had an average taxi charge per GRH use of $46.58, while the Guest Quarters Hotel, which is close to the airport, had an average charge per GRH use of $24.96.

Several large taxi reimbursements prompted the Partnership to assess the cost effectiveness of taxi versus rental car usage for GRH trips. As a result, the Partnership modified the GRH program in September 1992 to require users living 40 or more miles from the worksite to use a rental car instead of a taxi. Average reimbursement per trip declined slightly after this change in procedure was implemented, from an average per trip reimbursement of $33.26 for trips made during the first six months (April through September) to $32.24 for the last six months (from October to March 1993).

The basic rental car rate for the GRH service was $29.58. The GRH program was designed to cover associated costs, including insurance and fuel charges, with no out-of-pocket charges.
to the user. However, the Partnership required the user to cover the cost of rental cars kept beyond the 24-hour period allowed in the GRH program.

5.4 GRH USER EVALUATION

After each use of the guaranteed ride home program, the Partnership mailed the user a Follow-up Survey to obtain information on the reason for the program use (i.e., personal or family emergency or unscheduled overtime) and the user's satisfaction with the service.

The Partnership received 159 follow-up survey questionnaires between March 1992 and March 1993, representing approximately 55 percent of program use. Peat Marwick tabulated the results of the follow-up surveys which are presented below.

Method of ride. Of the 159 surveys returned, 101 GRH trips (67 percent) were made by taxi and 52 trips (33 percent) were made with rental cars.

Reason for GRH use. Survey respondents cited unexpected overtime most frequently as the reason for using the GRH service (45 percent). Illness in the family accounted for 20 percent of the trips, while personal illness accounted for 13 percent of the trips. Other nonemergency reasons cited for program use included:

- the vanpool/carpool driver left work early or had to stay late
- the vanpool/carpool vehicle broke down
- the user was called in to work on his/her regular day off
- the user had a midday dental or doctor appointment
- the train or bus was late

Related stop on way home. The GRH program allowed users to make stops on the way home directly related to the emergency. Only 19 percent of the respondents made a related stop on the way home. Related stops were significantly more common for rental car users (42 percent) than for taxi users (eight percent).

Experience compared with expectations. Program users were generally very satisfied with the GRH service. About 62 percent of users indicated that their experience with the GRH service had exceeded their expectations. Another 28 percent indicated that they were satisfied with the service. Only four percent indicated that their experience had fallen short of their expectations.

In general, rental car users rated their GRH experience higher than taxi users. Seventy-nine percent of rental car users indicated that their expectations had been exceeded, 15 percent were satisfied, and four percent indicated that their experience fell short of their expectations. Of taxi users, 56 percent indicated that their expectations had been exceeded, 36 percent were satisfied, and five percent indicated that their experience fell short of their expectations.
Response Time. Exhibit 5-6 shows GRH service response time (i.e., the time elapsed between calling the service provider and being picked-up). Response time for delivery of rental cars was slightly longer than for pick-up by taxi, but all users were generally satisfied with the response time. Thirty-seven percent of taxi users waited less than ten minutes for the taxi to arrive; 49 percent waited between ten and 20 minutes; and only 14 percent had to wait longer than 20 minutes. Sixty percent of taxi users rated the promptness of the taxi service as excellent, 23 percent as satisfactory, and only seven percent indicated that taxi promptness needed improvement.

Nineteen percent of rental car users indicated that they were picked up within ten minutes; 37 percent within ten to 20 minutes; 19 percent within 20 to 30 minutes; 12 percent within 30 to 40 minutes; and ten percent 40 or more minutes. Sixty-nine percent of rental car users rated delivery time as excellent, 17 percent as satisfactory, and only ten percent indicated that delivery time needed improvement.

Courtesy of taxi driver or rental car driver. Ninety percent of the rental car users rated the driver courtesy as excellent. Of taxi users, 71 percent rated driver courtesy as excellent, while 23 percent rated courtesy as satisfactory.

Vehicle cleanliness. Program users were very satisfied with the cleanliness of the vehicles. Most program users rated cleanliness as excellent (81 percent of rental car users and 70 percent of taxi users) or satisfactory (15 percent of rental car users and 20 percent of taxi users).

Comments. Comments were generally positive. Users indicated the program was excellent, great, or outstanding. Many users thanked the Partnership for providing the service. Users hoped the program would continue.

Several comments focused on the need to clarify program procedures. For example:

- some taxi users were not sure whether or how much to tip the taxi driver
- many taxi users were confused about whether the cab meter should already be running when they were picked up and whether they were overcharged
- some taxi users felt the taxi drivers did not understand how the program worked, because the taxi driver wanted the user to pay for the trip
- some taxi drivers did not provide a receipt, but the reimbursement certificate implies that a receipt is required
- at one employment site, some taxi drivers were not allowed to enter the area where they were supposed to pick up the user
- rental car users were unsure whether or not they needed to pay for gas

5.10
EXHIBIT 5-6
GRH SERVICE RESPONSE TIME

MINUTES

<table>
<thead>
<tr>
<th>MINUTES</th>
<th>TAXI USERS</th>
<th>RENTAL CAR USERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10-20</td>
<td></td>
<td></td>
</tr>
<tr>
<td>20-30</td>
<td></td>
<td></td>
</tr>
<tr>
<td>30-40</td>
<td></td>
<td></td>
</tr>
<tr>
<td>40+</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

PERCENTAGE OF USERS

0% 10% 20% 30% 40% 50% 60%

- TAXI USERS
- RENTAL CAR USERS
5.5 GRH PROGRAM ABUSE

Some program abuse was apparent during the demonstration on the part of program participants as well as the service providers.

The analysis indicated patterns of use that suggest program abuse. Exhibit 5-7 shows program use by day of the week. The greatest percentage of program use (26.9 percent) occurred on Friday, while program use on Monday through Thursday ranged from 12.6 percent to 18.9 percent. The percentage of program use occurring on Saturday and Sunday was low (2.8 percent and 3.1 percent, respectively) which is consistent with typical work schedules.

As noted previously, GRH users were required to complete and submit a reimbursement certification and a follow-up survey to the Partnership after each program use. In September 1992, midway through the demonstration, the Partnership advised program registrants that failure to submit the required paperwork after use of the GRH program would result in ineligibility for future program use. Many program users failed to submit the appropriate forms to the Partnership. During the demonstration period, 38 persons were eliminated from the program as a result of failure to submit one or both forms.

On several occasions, the program user's supervisor noted on the reimbursement certification submitted to the Partnership that the employee had not taken any annual or sick leave on the day he or she used the GRH program for personal illness.

The Partnership noted several problems with inappropriate use of rental cars obtained through the GRH program. Some eligible participants obtained a rental car through the GRH program and then authorized other persons, not eligible or registered for the program, as additional drivers. To address this problem, in October 1992, the Partnership requested the rental car company not to allow GRH participants to authorize additional drivers.

Some GRH users obtained a rental car through the program and failed to return it within 24 hours in accordance with program procedures. The Partnership charged the user for the additional day(s) and cancelled program users who failed to pay these additional charges.

The Partnership had continuing problems with the taxi company, Ground Transportation Professionals. These included:

- **excessive charges** - Many GRH users noted that there were significant charges already registered on the taxi meter when they were picked up. The service agreement with the taxi company allowed for the meter to be turned on at the airport terminal where the taxi company is based rather than at the point of pick-up. For the companies located farthest from the airport, such as NSA, these charges prior to pick-up could be considerable. Even so, the charges accrued prior to pick-up were frequently considered excessive.
EXHIBIT 5-7
GRH PROGRAM TRIPS BY DAY OF WEEK

THURSDAY 17.8%
WEDNESDAY 18.9%
FRIDAY 26.9%
SATURDAY 2.8%
SUNDAY 3.1%
MONDAY 17.8%
TUESDAY 12.6%
- billing inconsistencies - On several occasions, the receipt submitted to the Partnership by the participant and the bill submitted by the taxi company were not consistent.

Throughout the demonstration, the Partnership advised the taxi company when an inconsistency or suspected abuse occurred. Continuing efforts to resolve these problems were not successful. At the end of the demonstration program, the Partnership was able to establish a service agreement with another cab company and the agreement with Ground Transportation Professionals, Inc. was not extended.

Midway through the demonstration, the Partnership and the GRH Advisory Committee identified specific procedural improvements to reduce program cost and abuse. In September 1992, the Partnership implemented the following new program procedures and requirements:

- submitting monthly reports to participating organizations identifying the name, date, and reason for each GRH use by an employee of the organization to improve user verification
- contacting program participants after three uses of the GRH service to document the number of GRH uses and the number remaining
- requiring the reimbursement certification and follow-up survey forms to be returned to the Partnership before additional program use
- charging additional use of a rental car, beyond the 24 hours provided free through the GRH program, to the user
- requesting taxi users to record the amount registered on the meter when they were picked up

5.6 COMMUTE BEHAVIOR AND IMPACT OF GRH PROGRAM

The Partnership conducted the survey of employees of member organizations early in 1992 to establish a baseline on commute behavior prior to implementation of the GRH program in March 1992. The Partnership received 2,503 responses (41 percent of the 6,100 surveys distributed), which were subsequently tabulated by the BMC. According to the baseline survey, 85 percent of the respondents drove alone at least three days per week, 12.2 percent carpooled or vanpooled at least three days per week and one percent used transit at least three days per week. These results are consistent with the survey conducted in 1989 as part of the Partnership's strategic planning effort. Over 49 percent of the baseline survey respondents indicated that they would try commuting by carpool, vanpool or transit, if they were guaranteed rides home in case of personal or family emergencies or the need to work late.

Peat Marwick developed the post-demonstration survey to assess the effect of the GRH program on commute behavior. The survey questionnaire solicited information on current commute behavior, changes in commute mode since March 1992 (prior to the GRH
demonstration), and the factors contributing to the change, in particular the effect of the GRH program. The questionnaire also addressed the extent of personal emergency situations and unscheduled overtime during the demonstration period that might be eligible for GRH. To provide for effective comparison with the pre-demonstration baseline survey, the post-demonstration survey questionnaire was designed to collect comparable data in a comparable format, with additional questions related to GRH implementation and use.

Peat Marwick presented a draft of the questionnaire to the Partnership, the GRH Advisory Committee, the BMC, and FTA and Volpe Center staff at the April 20, 1993 Advisory Committee meeting. Minor revisions were incorporated and the questionnaire was approved.

Peat Marwick recommended that the post-demonstration questionnaire be distributed only to those employees (2,503) who had responded to the initial baseline survey early in 1992 and that the baseline survey results be reanalyzed for the subset of respondents who completed the post demonstration survey. This would permit effective comparison of commute behavior before and after implementation of the GRH program and analysis of the factors contributing to changes in commute mode, specifically the availability of the GRH program. The Partnership had coded the baseline survey questionnaires by employer and employee so it was possible to determine which employees had responded to the baseline survey, except for the Loral Western Development Lab employees, whose baseline survey instruments had not been properly coded.

The Partnership identified the employees who had responded to the initial baseline survey, coded the post-demonstration questionnaires and distributed them to the appropriate employers for distribution to employees. The employers distributed the questionnaires in May 1993.

The questionnaires were returned to the Partnership and forwarded to the BMC for tabulation. BMC received 958 responses, a 38 percent response rate. The BMC then retabulated the baseline survey responses for the employees who responded to the post-demonstration questionnaire.

The results of the analysis and comparison of the baseline survey responses and the post-demonstration survey responses are discussed below.

**Commute mode.** Overall commute behavior remained virtually unchanged from early 1992 to March 1993. There was a slight (less than one percent) decrease in single occupancy vehicle commuting and a corresponding slight increase (less than one percent) in ridesharing. Specifically:

- in March 1993, 77 percent of the respondents drove alone to work five days per week, compared to 78 percent in early 1992
- in March 1993, 11 percent of the respondents carpooled or vanpooled five days per week compared to ten percent in early 1992
- in both early 1992 and March 1993, only one percent of the respondents used transit
**GRH program eligibility.** A total of 157 respondents to the post-demonstration survey were eligible for the GRH program, i.e., commuted by transit, carpool or vanpool at least three days per week. The percentage of respondents who would be eligible for the GRH program increased slightly from 15.6 percent in early 1992 to 16.4 percent in March 1993. Specifically:

- prior to the demonstration, 82 percent of respondents drove alone at least three days per week, compared to 81 percent in March 1993
- prior to the demonstration, 14.7 percent carpooled or vanpooled at least three days per week, compared to 15.1 percent in March 1993
- only one percent of respondents used transit at least three days per week, both prior to the GRH demonstration and at the end of the demonstration period

Only 50 respondents (32 percent of the 157 eligible) indicated that they had registered for the GRH program. The most frequently cited reason for not registering for the GRH program was not knowing about or understanding the program.

**Changes in commute mode.** About 6.2 percent of the respondents indicated that they had changed their commute behavior since March 1992. Of those, 34 percent indicated that they had previously driven alone, 32 percent had previously carpooled or vanpooled, and seven percent had previously used transit.

**Factors contributing to changes in commute mode.** In the baseline survey, 48 percent of the respondents indicated that they would consider riding in a carpool, vanpool, bus or train if they were guaranteed a ride home in the event of a personal or family emergency. Twenty-seven percent of the respondents who had changed their commute mode since early 1992 indicated that the GRH program was important or very important in their decision to change how they traveled to and from work. Fifty-eight percent indicated the GRH program was not important.

Other factors which contributed to changes in commute mode since March 1992 included:

- change in work hours 27 percent
- change in family status 25 percent
- change in location of home 22 percent
- change in location of work site 19 percent
- change in job 14 percent
- change in transit service or employer shuttle service 3 percent

**Commute Distance.** Survey responses indicated a slight increase in the distance commuted by area employees over the demonstration period (note that the responses were for ranges of commute distance). The baseline data show that 33 percent of area employees commuted less than ten miles one-way, 41 percent commuted between ten and 20 miles one-way, 15 percent commuted between 20 and 30 miles one-way, and only ten percent commuted more than 30 miles one-way. The post-demonstration data show 30 percent of employees commuting less than ten miles, 40 percent commuting ten to 20 miles, 15 percent commuting 20 to 30 miles, and 11 percent commuting more than 30 miles. As noted above, changes in location of home and/or worksite contributed to changes in commute mode for some employees.

**Personal or Family Emergencies.** The reported incidence of personal or family emergency situations requiring the employee to leave work early decreased over the demonstration period. According to the baseline survey, 72 percent of the respondents had to leave work at least once and 34 percent had to leave work three or more times as the result of a personal or family emergency during the prior year. In contrast, according to the post-demonstration survey, only 62 percent had to leave work at least once and 29 percent three or more times during the one year demonstration period.

The overwhelming majority of respondents drove their own car home in the last emergency. Only three respondents (one percent) indicated they used the GRH service for the last emergency.
6. CONCLUSIONS

The Partnership developed and implemented an efficient and effective GRH program in the BWI Airport employment area. The GRH program allowed participating employees to rideshare or use transit without worrying about how they would get home in emergencies or if they were required to work unscheduled overtime. The GRH program provided users with a quick and easy solution for getting home in these situations. The program was well received by member organizations and participating employees.

This section of the report assesses the GRH demonstration, including:

- effectiveness of GRH program procedures
- extent to which the GRH program increased, or helped to retain, HOV users
- extent to which the GRH program served as an incentive for membership in the TMA

6.1 EFFECTIVENESS OF GRH PROCEDURES

6.1.1 Program Development and Management

The Partnership’s Executive Director and staff and the GRH Advisory Committee worked together effectively to define the GRH program parameters and procedures and to monitor their effectiveness. The Partnership established the Advisory Committee at the start of the program development process in September 1991, and actively involved the committee throughout the demonstration in key decisions regarding program procedures. The Partnership met regularly with the Advisory Committee to discuss program progress and problems. The Partnership and the Committee assessed the program procedures during the first six months of the demonstration and developed and implemented specific procedural changes in September 1992, to reduce program cost and abuse.

Committee members expressed satisfaction with their role in the development, implementation and monitoring of the demonstration program.

6.1.2 Registration Process and Documentation Requirements

The Partnership developed a simple registration process in order to attract the greatest number of program participants. To register, interested eligible employees completed and submitted to the Partnership a two-page registration form with basic information about their employer and current commute mode. The Partnership sent a confirmation letter with detailed program procedures and a GRH Registration Card to the new program participant.

To remain eligible for the program, users were required to submit the reimbursement certification and follow-up survey to the Partnership after each program use. Many program
users failed to submit the appropriate paperwork to the Partnership after using the GRH program. In September 1992, the Partnership reinforced the requirement by rendering program participants ineligible for future use until the forms were received. Unfortunately, many users had taken several GRH trips before the new procedure was put into effect. During the 12-month demonstration period, the Partnership cancelled 38 persons from the program for failure to submit one or both of the required documents.

Both the reimbursement certification and the follow-up survey provided the Partnership with necessary and valuable information for monitoring the GRH program. The Partnership recognized that it could collect this information more efficiently on a single form and has developed a new form which combines the reimbursement information and user satisfaction assessment.

6.1.3 Service Providers

The Partnership established agreements with one taxi company and one rental car company to provide the GRH service during the demonstration. The Partnership experienced continuing problems with the taxi provider, including suspected overcharges. The agreement with the taxi company permitted the taxi to start the meter at the airport rather than the passenger pick-up location. As a result of this provision, significant charges were incurred prior to pick-up of the GRH user, which significantly increased program reimbursement cost.

Ultimately, the Partnership was able to establish an agreement with another taxi company that agreed to begin the meter at the passenger pick-up point. The Partnership did not renew its agreement with Ground Transportation Professionals after the demonstration period.

6.1.4 Choice of Service Provider

The GRH demonstration program initially provided users complete flexibility to use either a taxi or a rental car for their guaranteed ride home. As a result, taxis were frequently used for long trips that could have been provided more cost efficiently by rental car. Early in the program, the Partnership realized that program reimbursements would quickly exceed the amount budgeted for the demonstration. The Partnership recognized that the cost to provide the service could be significantly reduced if rental cars were used for longer trips, at a flat rate of $29.58 for the 24-hour use, instead of a taxi which charged on a per mile basis. In September 1992, with approval of the GRH Advisory Committee, the Partnership modified the procedures to require program users who live 40 or more miles from their worksite and who have a valid drivers license to use rental cars rather than taxis to reduce program costs.

6.1.5 GRH Benefit Maximum

The Partnership established a ceiling on program usage, allowing four trips for unscheduled overtime and six trips for personal or family emergency situations during the one-year demonstration. Eighty-four percent of program users made four trips or fewer during the demonstration. Only 1.8 percent (two users) used the service as many as nine times. This
analysis suggests that the maximum benefit in terms of allowable number of uses per participant could be reduced significantly and still meet the needs of virtually all program users.

Analysis of the follow-up surveys indicated that 45 percent of the program uses were for unexpected overtime, 33 percent of program uses were for personal or family emergencies, and the remaining program uses were for personal, nonemergency situations. This suggests that the percentage of available program uses for overtime (40 percent) and emergencies (60 percent) is appropriate.

6.1.6 Program Documentation

The Partnership maintained program usage and cost data manually. The data base program developed as part of the FTA funded demonstration project to capture and manage program data proved to be unreliable. The Partnership intends to replace the custom designed data base program with off the shelf software.

6.2 IMPACT ON HOV USAGE

While there is no conclusive evidence that the GRH program directly increased HOV usage in the BWI Airport employment area during the one-year demonstration, the program may have helped to retain existing HOV users. Analysis of commute behavior before and after the GRH demonstration indicates that overall commute behavior remained virtually unchanged. There was a slight increase (less than one percent) in HOV commuting and a corresponding slight decrease in SOV commuting during the demonstration period.

The changes in commute behavior that did occur (6.2 percent of the survey respondents changed their commute mode over the demonstration period) reflected changes from SOV to HOV commute modes, as well as changes among HOV commute modes and changes from an HOV to SOV commute mode. Twenty-seven percent of survey respondents who had changed their commute mode during the period indicated that the availability of the GRH program was important or very important in their decision to shift to an HOV commute mode.

The GRH program was identified as a key factor in Aetna’s ability to retain some employees who might otherwise have left the company when it moved from Baltimore to the BWI area. A number of Aetna employees live in Baltimore, do not drive and, therefore, are dependent on transit or ridesharing to get to and from work. Aetna recognized that the move to the BWI area would result in fewer transit options for these employees. Prior to the move, the Partnership was asked to meet with Aetna employees to explain transportation options in the area and the services, including the GRH, that the Partnership could provide. Aetna agreed to allow certain employees using mass transit to work flexible hours (i.e., other than core work hours from 8 a.m. to 4:15 p.m.) to accommodate the bus service that is available in the new location. Aetna believes that the GRH program and the provision of flexible hours have allowed the organization to retain these employees.

6.3
6.3 INCENTIVE FOR TMA MEMBERSHIP

TMA membership did not increase significantly during the demonstration period. A small company, Heritage Encon, relocated its headquarters office, with ten employees, from Baltimore City to the BWI employment area in December 1992. When planning the move, the company was concerned that transportation would be a problem for its employees, many of whom previously relied on transit to commute to work. Heritage Encon's primary reason for joining the Partnership was to take advantage of the GRH program.

The Partnership provides many valuable services for its members. The GRH program is a contributing factor for membership in the Partnership. The GRH program is a low cost benefit that employers can use as an incentive for its employees to rideshare or use transit. Together with the rideshare matching services provided by the Partnership, the GRH program makes it easy for area employees to utilize HOV commute modes. As the 1990 CAA requirements become effective, interest in the program on the part of larger employers (i.e., with 100 or more employees) trying to deal with CAA requirements may grow.

Introduction of the GRH program as a new service provided an opportunity for the Partnership to promote the benefits of public transportation and ridesharing within the BWI area. Further, the marketing effort for the GRH program also served to increase awareness and market other Partnership services such as rideshare matching.