Transparency Disclosures
Advanced Stream Broadband
FRN 0022289615

Type of ISP Service: Advanced Stream provides wired broadband Internet access service using Fiber to the home (FTTH) platform over Municipally owned Fiber Networks.

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Advanced Stream, strives to provide information to customers and end users about all of its services in a transparent manner. Additionally, the Federal Communications Commission (FCC) requires that Advanced Stream and other providers of broadband Internet access services disclose certain information about those Internet services. The purpose of this document, in addition to the disclosures, terms and conditions posted at www.advancedstream.com, is to assist consumers in finding the information needed to make an informed decision about which services best meet their needs.

Advanced Stream provides Internet service over municipally owned fiber networks in Mason County WA, Kitsap County WA, Bringham City UT, Cedar Hills UT, Centerville UT, Clearfield UT, Layton UT, Lindon UT, Midvale UT, Morgan City UT, Murray UT, Orem UT, Payson UT, Perry UT, Pleasant Grove UT, Santa Clara UT, Syracuse UT, Tremonton UT, West Haven UT, West Point UT, West Valley City UT, Woodland Hills UT Providence UT and Ammon ID. These disclosers will be updated as necessary. Questions can be directed to 253-627-8000 or office@advancedstream.net

Use of broadband Internet access services on Advanced Stream is governed by:
        Internet Acceptable Use Policy

These policies can be accessed at https://www.advancedstream.com/aup. In addition, there may be governing policies published by the Internet Service Provider with whom the end user establishes a service account. Please refer to the ISP's disclosure statements and/or website for those details.

Certification of **Filing** Accuracy

I, Mitch Shook, Owner of Advanced Stream, hereby certify that I have examined the information contained in the disclosure and that all information contained in the submission is true and correct to the best of my knowledge, information and belief.

Date:

                                        Mitch Shook, Owner

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Network Management Practices

General Summary

Advanced Stream maintains a system on which the Internet is offered to customers, over Municipally owned networks with full access to all lawful content, services, sites, platforms, network compatible types of equipment, and applications. The Advanced Stream network is designed for usage by typical residential and commercial users of broadband Internet access services. Bandwidth on the network is a limited, shared resource among Advanced Stream's customers (including commercial customers, and end-users) and other users of Advanced Stream's Internet access service. Advanced Stream actively manages its network to ensure that activity resulting in excessive or sustained bandwidth consumption, which may burden the network and affect other users, is limited. Accordingly, such usage may be restricted.

Advanced Stream strives to provide users the best experience when using the network and may use tools and techniques to manage its network, deliver the service, and ensure compliance with its policies. These tools and techniques are dynamic, like the network and its usage, and can and do change frequently. For example, these network management activities may include
(i) identifying spam and preventing its delivery to user e-mail accounts, (ii) detecting malicious Internet traffic and preventing the distribution of viruses or other harmful code or content, (iii) limiting speeds during periods of extended congestion, (iv) requiring an upgrade or purchase of a different Internet service and (v) using other tools or techniques that Advanced Stream may be required to implement in order to meet its goal of delivering the best broadband Internet experience to all users.

Advanced Stream does not:
- Discriminate among specific uses, or class of uses, on its network
- Impair, degrade or delay VoIP applications or services that compete with its video services or services of its affiliates
- Impair, degrade, delay or otherwise inhibit access by customers to lawful content, applications, services or non-harmful devices, subject to reasonable network management
- Impair free expression by slowing traffic from certain web sites
- Demand pay-for-priority or similar arrangements that directly or indirectly favor certain traffic over other traffic
- Prioritize its own applications, services or devices or those of its affiliates
- Block lawful content, applications, services, or non-harmful devices, subject to reasonable network management

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With regard to specific disclosures required by the Federal Communications Commission, Advanced Stream's practices and policies are as follows:

Blocking

Advanced Stream does not block any lawful content or application, subject to reasonable network management practices and Advanced Stream's Acceptable Use Policy.

Throttling

Advanced Stream does not discriminate among specific uses, or class of uses, on its network, throttle traffic from certain web sites, or otherwise impair, degrade, delay or otherwise inhibit access by customers to lawful content, applications, services or non-harmful devices, subject to reasonable network management.

Affiliated Prioritization

Advanced Stream does not prioritize its own applications, services or devices or those of its affiliates.

Paid Prioritization

Advanced Stream does not prioritize any traffic over its network in exchange for consideration.

Congestion Management

Congestion management on the network is approached from an agnostic perspective and with the objective of ensuring an optimum experience for all users of the network. Advanced Stream uses industry standard tools and generally accepted best practices to protect its network and customers' experience. Specifically, Advanced Stream actively monitors activity on its network and takes action as needed to augment capacity, balance usage across network service groups and mitigate excessive use. It is difficult to forecast congestion, so Advanced Stream cannot describe its frequency; however, Advanced Stream endeavors to minimize the frequency and extent of congestion to the greatest extent practicable.

The network management tools and techniques employed by Advanced Stream do not and will not target specific usages or applications (such as peer-to-peer) and instead focus in a content- neutral manner on bandwidth usage in real time, with the goal of providing reasonable and

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equitable access to the network for all similarly situated customers. In other words, to the extent that the use of network management practices may affect the performance or other characteristics of Internet service, they are designed to affect all similarly situated customers equally.

Excessive use means bandwidth or data usage that is significantly higher than typical usage for which our network is designed, and will be determined in the sole judgment of Advanced Stream. Excessive users consume so much data that their usage could negatively impact the service provided to other customers. In order to ensure an optimized Internet experience for all users, data guidelines have been assigned to all Internet services, and are subject to change.

If Advanced Stream in its sole but reasonable discretion determines that a user has exceeded the Excessive Use threshold or is using the service in a manner significantly uncharacteristic of a typical user of the service to which they have subscribed, Advanced Stream may (a) adjust, suspend, limit or terminate service at any time and without notice; or (b) require the user to upgrade their service level or pay additional fees in accordance with then-current, applicable rates and charges for such service; or {c) use any technology to be chosen by Advanced Stream at its sole discretion to limit the user's service for purposes of conserving bandwidth.

Residential Package	Package Description	Data Guideline per Billing Cycle
250Mbps	250Mbps down/250Mbps up	10 TB
1Gig	1000 Mbps down/ 1000 Mbps up	10TB
10Gig	10000 Mbps down/ 10000 Mbps up	10TB
2Gig	2000 Mbps down/2000 Mbps Up	10TB
100Mbps	100Mbps down/100Mbps Up	10TB
15Mpbs	15Mbps down/15Mbps Up	10TB

<u>Application-Specific Behavior</u>

Advanced Stream does not block or rate control any specific protocols, or modify any protocol field in ways not prescribed by the protocol standard. Certain ports may be blocked in residential packages for the purpose of spam prevention and network security. No functions of the network are designed to inhibit or favor certain applications or classes of applications.

Prioritization is employed in certain Internet package configurations that are designed for voice traffic. The configuration assigns a higher processing priority (QoS) to voice traffic and the network processes that traffic before lesser priority data packets when it detects network congestion. The purpose of this QoS assignment is to maintain voice quality.

Users are expected at all times to comply with Advanced Stream's Acceptable Use Policy, Bandwidth, which do prohibit certain activities which the network is not designed to support. For instance, users may not run a server in connection with Advanced Stream's residential services, nor provide network services to others via Advanced Stream's residential services. Examples of prohibited uses include, but are not limited to, running servers for mail (pop3 & smtp), http, https, FTP, IRC, DHCP and multi-user interactive forums.

<u>Device Attachment Rules</u>

Advanced Stream allows devices to be attached to the network that have an Ethernet Uplink port, that are fully supported for firmware upgrades by the manufacturer, and that do not harm the network.

<u>Security</u>

Advanced Stream manages its network in an effort to provide an optimum experience for its customers by using industry standard tools and generally accepted best practices and policies to protect its network and customer information. Advanced Stream reserves the right to utilize network tools and practices to prevent harmful or illegal activity, denial of service attacks, viruses or other malicious code, or transfer of unlawful content including copyright infringing files. Advanced Stream notifies its customers when allegations of such activities are received specific to individual end users, and reserves the right to terminate service to end users without notice for repeated allegations of violations. Advanced Stream cannot guarantee the prevention of spam, viruses, security attacks, or other actions which can affect service. End users are required to take all necessary steps to secure and manage the use of the services received over the Advanced Stream network. To prevent such events, Advanced Stream monitors its network and will take active measures to minimize the effects of spam, viruses, security attacks, and other actions which could impact an optimum experience for customers.

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Performance Characteristics

Service Description and Performance

Advanced Stream's network consists of a system of fiber associated equipment that enables provision of broadband Internet access.

As of the effective date of this Disclosure Notice, the following residential services are made available for resale:

Package	Advertised Download	Advertised Upload	Actual Download	Actual Upload	Latency
10 Gig	10000Mbps	10000 Mbps	5634.8 Mbps	5302.1 Mbps	7 ms
2 Gig	2000 Mbps	2000 Mbps	1640.6 Mbps	1535.2Mbps	6 ms
Gig	1000 Mbps	1000 Mbps	943.9 Mbps	912.1 Mbps	5 ms
Faster	250 Mbps	250 Mbps	247.8 Mbps	242.7 Mbps	6 ms
Standard	100 Mbps	100 Mbps	96.8 Mbps	95.3 Mbps	7 ms
Economy	15 Mbps	15 Mbps	14.7 Mbps	13.2Mbps	9 ms

Actual performance measurements were initially collected when provisioned. These tests were run using a standard laptop with a **1** Gbps interface. The tests were performed from a typical customer's connection on the network to an external speed test server located closest to the test point.

Commercial Terms

General Description

Certain Internet services are configured to provide additional features for use by commercial enterprises. The advertised and actual speed performance of the commercial services are the same as the above residential services. Commercial package configurations allow for running mall servers (pop3 and smtp), http and https, FTP, IRC and DHCP. Retail services are governed by the policies described above and available at www.advancedstream.com/aup.

Prices

Prices are determined by the speed package selected and the network the customer is connecting to. Our prices are available on our website: www.advancedstream.com

Privacy Policies

Personally identifiable information of Internet service end users is for use in providing Services to those end users. This information is not used for any non-network management purposes and is not shared with third parties. We may disclose personally identifiable information if and as required to do so by a court order, subpoena, civil investigative demand or other legal process.

Advanced Stream does not inspect or store network traffic, except to the extent network tools associate IP address assignments to individual end users.

Redress Options

Informal complaints or questions may be directed to 253-627-8000 or office@advancedstream.net. Informal complaints will be investigated and the results will be communicated to the complainant. Formal complaints may be made in writing, including all pertinent information and the complainant's name, address, telephone number and email address (if applicable) and sent to P.O. Box 7641, Tacoma, WA 98417. Responses to formal, written complaints will be delivered in writing.