



RESOLUTION NO.

1 A RESOLUTION relating to Tacoma Power; declaring surplus utility-owned property
2 including certain inventory, equipment and vehicles allocated to the Click!
3 Network together with the Excess Capacity of the Tacoma Power HFC
4 Network, part of which is commonly referred to as the Click! Network.

5 WHEREAS in the mid-1990s, the City of Tacoma, Department of Public
6 Utilities, Light Division (d.b.a. "Tacoma Power") determined that the best option
7 to address the shifting advance in telecommunications in the electric utility
8 industry landscape was to construct a hybrid fiber coaxial (HFC)
9 telecommunications network ("HFC Network"), and

10 WHEREAS on July 23, 1996, the Tacoma City Council passed Ordinance
11 No. 25930, approving Tacoma Power's proposal to establish and create the HFC
12 Network as part of Tacoma Power's electric utility infrastructure, allowing
13 Tacoma Power to, among other things, connect its generation, distribution, and
14 transmission assets and support the eventual adoption of smart meters and
15 further, to use the excess capacity of the HFC Network to: (1) sell retail cable
16 television service to Tacoma Power's electric customers, and (2) sell data
17 transport and wholesale internet access services to Internet Service Providers
18 ("ISPs") and others, and

19 WHEREAS on March 26, 1997, the Board adopted Amended Substitute
20 Resolution U-9258 approving Tacoma Power's proposed business plan to
21 develop a state of the art HFC Network to support enhanced control, reliability,
22 and efficiency for its electric system and to generate additional revenue through
23 new business lines (i.e., wholesale internet, cable TV, etc.), and
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WHEREAS the Board recommended that the City Council approve the business plan, which it did through Resolution No. 33668 on April 8, 1997, authorizing Tacoma Power to construct, control, and operate the HFC Network, with the Board providing oversight and approval, and the City Council remaining involved in major policy decisions, and

WHEREAS since its construction in the late 1990s, the HFC Network has connected Tacoma Power's distribution and transmission assets and enabled automated meter reading and billing, distribution automation, and remote turn on/turn off for electric customers, and

WHEREAS in 2004 Tacoma Power also established a pilot project deploying as many as 16,000 Gateway Meters (Tacoma Power's name for its initial smart meters) that relay information from its electric customers to Tacoma Power headquarters via the HFC Network over coaxial cable connected to the customer premises which interconnects with the fiber network, and

WHEREAS within four years following deployment of the gateway meters Tacoma Power began experiencing substandard performance of the gateway meters including, meter failures wherein Tacoma Power is unable communicate with the meter through the network, read failures wherein the controller in the meter is not able to read the meter, and remote disconnect failures, all resulting in, communications errors, failures to measure electrical consumption, a failure rate of up to 100 meters per month, and increased costs to replace defective meters, perform repairs, troubleshoot errors, and collect meter data, and



WHEREAS by the mid-to-late 2000s, the electric utility industry began to recognize that wireless technology would take the place of wired telecommunications systems with respect to smart meter applications, and

WHEREAS as a result of the advances in the reliability and efficiency of interconnecting meters wirelessly with the HFC Network and the substandard and unreliable performance of the Gateway Meters, Tacoma Power has terminated the Gateway Meter Program and ended service over the HFC Network for all Gateway Meters, and

WHEREAS the Board has authorized agreements providing for the installation and operation of licensed spectrum advance meters that will interconnect wirelessly to that portion of the HFC Network allocated to Tacoma Power and known and referred to as the Power Control & Operations Network (PCON), and

WHEREAS the "Excess Capacity of the HFC Network" is a hybrid fiber optic-coaxial cable (HFC) communications network, together with related network assets, generally comprised of: (i) coaxial cable, conduit housing only coaxial cable, conduit installed for service drops (whether or not currently housing coaxial cable), and coaxial cable service drops installed in the Click! Network service area, (ii) specific strands of fiber in the Tacoma Power fiber network that are not reserved for current and future use by Tacoma Power for utility purposes, conduit housing such fiber along routes that do not include reserved utility fiber, and excess space in conduit housing such fiber and reserved utility fiber, (iii) electronic equipment and related hardware installed in the HUB sites and in



rights-of-way, and is defined as the "Tacoma Power Commercial System", and
described in more detail, in the draft proposed Indefeasible Right of Use
Agreement attached hereto as EXHIBIT "C", and

WHEREAS Click! Network began providing cable television and wholesale
internet access services over the excess capacity in the HFC Network in 1998,
and since that time technology and consumer demands have changed and
operational costs have significantly increased, and in response to these
challenges, the Board has studied different models for delivery of services, and

WHEREAS the Board retained CTC Technology & Energy to develop an
analysis of business models as an alternative to the legacy business plan under
which Click! Network currently operates, which analysis was presented to the
Board and City Council at the January 23, 2018 joint study session, and

WHEREAS the Board on January 24, 2018 adopted Resolution U-10988
pursuant to which the Board expressed its determination then, and re-affirms and
expands upon now, that while the 1997 business plan achieved many of the
functions envisioned for the HFC Network, the Excess Capacity of the HFC
Network and the inventory, equipment and vehicles allocated to Click! Network
are not needed now or in the future by Tacoma Power for utility purposes and
thus will not be updated or improved or utilized for utility purposes, and are
excess to the needs of Tacoma Power, and that the current Click! Network
business plan and the proposed all-in retail service business model will not
generate sufficient revenues to fully fund operational expenses and the costs of
capital improvements needed to maintain the Excess Capacity of the HFC



Network as a state of the art Network, and that it is prudent and necessary to
1 revise the business plan, and

2 WHEREAS through Resolution U-10988 the Board further rescinded its
3 approval of the all-in retail service business model, adopted 12 policy goals to be
4 maximized through the use and preservation of the Excess Capacity of the HFC
5 Network, directed the Public Utilities Director to work with the City Manager to
6 develop a plan to seek information, proposals or qualifications from interested
7 parties to determine whether the 12 policy goals could be achieved through a
8 collaboration and/or restructuring of Click! Network, and
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11 WHEREAS the PUB and City Council after review of multiple proposals
12 from third parties directed the Public Utilities Director to execute a letter
13 agreement with Rainier Connect to enter into good faith negotiation of
14 agreements through which the City, through Tacoma Power, will retain ownership
15 of all of the existing HFC Network, the capital and operating costs of the Excess
16 Capacity of the HFC Network will be borne by a third party, Tacoma Power will
17 no longer provide cable television or wholesale internet access or data transport
18 services, and Rainier Connect would use the Excess Capacity of the HFC
19 Network to provide broadband information services consistent with the 12 policy
20 goals adopted by the Board and City Council, and
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23 WHEREAS Tacoma Power, under the supervision of the Director, and
24 Rainier Connect have negotiated the draft proposed Click! Business Transaction
25 Agreement, attached hereto as EXHIBIT "B", and the draft proposed Indefeasible
26 Right of Use Agreement, attached hereto as EXHIBIT "C", that collectively



provide for the conveyance of certain inventory, equipment and vehicles as described in EXHIBIT "A.1-3" attached hereto (the "Click! Assets"), to Rainier Connect and provide for Rainier Connect's use, but not ownership, of the Excess Capacity in the HFC Network for the term, and pursuant to the terms and conditions, of the Indefeasible Right of Use Agreement, and

WHEREAS the consideration proposed to be paid by Rainier Connect for conveyance of the inventory, equipment and vehicles described in EXHIBIT A.1 is set forth in EXHIBIT A.1, the consideration to be paid by Rainier Connect for the inventory and equipment described in EXHIBIT A.2 and A.3 are the contractual obligations of Rainier Connect as set forth in substantially the form of EXHIBIT "C" (Indefeasible Right of Use Agreement), and the use of the Excess Capacity in the HFC Network is proposed to be granted to Rainier Connect in consideration for the obligations of Rainier Connect as set forth in the EXHIBIT "C", including but not limited to the, the annual payment as described therein, and

WHEREAS the proposed draft agreements include provisions ensuring, among other things, that the use and operation of the Excess Capacity in the HFC Network by the new operator will not interfere with, or jeopardize the safety and security of Tacoma Power's continued use and operation of the Tacoma Power Control & Operations Network or the City's use and operation of the Institutional Network, and

WHEREAS the Tacoma Public Utilities Director has recommended that the Board find that disposal of the Click! Assets and the grant of the Indefeasible



Right of Use of the Excess Capacity in the HFC Network through a negotiated
1 process with Rainier Connect pursuant to agreements in substantially the form of
2 EXHIBITS "B" and "C", is in the best interest of Tacoma Power, and
3

4 WHEREAS it is advised that, as a condition of this proposed transaction
5 and in conformance with the provisions of RCW 35.94.040, the Board find and
6 declare the Click! Assets and the Excess Capacity in the HFC Network surplus to
7 the needs of Tacoma Power and the City, and
8

9 WHEREAS the Tacoma Public Utilities Director has certified, and Tacoma
10 Power recommends that the Board find and declare that the Click! Assets and
11 the Excess Capacity in the HFC Network are not required for, and are not
12 essential to, continued public utility service or continued effective utility service,
13 and are surplus to the needs of Tacoma Power and to Tacoma Public Utilities,
14 and that the sale of the Click! Assets to Rainier Connect and the grant of a
15 Indefeasible Right of Use of the Excess Capacity in the HFC Network to Rainier
16 Connect through a negotiated disposition would be in the best interests of
17 Tacoma Power and the City, and
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19 WHEREAS although a declaration that an asset is surplus often proceeds
20 a decision to sell an asset, there is no requirement that a surplus asset be
21 sold, and the Board does not intend to recommend or approve for sale the
22 Excess Capacity in the HFC Network, but rather the City through Tacoma Power
23 will retain ownership of the entire HFC Network inclusive of the Excess Capacity
24 in the HFC Network to ensure that it has control over how the HFC Network is
25 used through the proposed agreements and to ensure that the entire HFC
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Network meets all security requirements and can continue to meet the needs of
1 Tacoma Power, Tacoma Water and Tacoma Rail, and

2 WHEREAS the Board, in consideration of the foregoing, the public
3 comments received during the public hearing of October 23rd, 2019 and prior
4 public meetings of the Board, the records and information on file with the Board,
5 and having been in all matters fully advised, finds that it is in the best interest of
6 Tacoma Power and Tacoma Public Utilities to make the following determinations
7 and recommendation to the City Council; Now, Therefore,
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9 BE IT RESOLVED BY PUBLIC UTILITY BOARD OF THE CITY OF
10 TACOMA:
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12 Sec. 1. That the Click! Assets and Excess Capacity in the HFC Network, as
13 described in the recitals above, are not required for, and are not essential to,
14 continued public utility service or continued effective utility service, and pursuant to
15 applicable law, are properly declared surplus property and excess to Tacoma
16 Power's needs.
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18 Sec. 2 That the sale of the Click! Assets and the grant of an Indefeasible
19 Right of Use of the Excess Capacity of the HFC Network to Rainier Connect
20 through a negotiated disposition is in the best interests of Tacoma Power, Tacoma
21 Public Utilities and the City and all applicable competitive bidding requirements are
22 hereby waived.
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24 Sec. 3. Tacoma Power will seek City Council approval of the Board's
25 declaration herein that the Click! Assets and the Excess Capacity of the HFC
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1 Network as described herein are surplus to the needs of Tacoma Public Utilities
2 and a declaration that the same are surplus to the needs of the City of Tacoma.

3 Approved as to form and legality:

Chair

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5 Chief Deputy City Attorney

Secretary

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7 Clerk

Adopted



EXHIBIT A.1

(Click! Asset Purchase List)

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Invoice

CBTA Exhibit A, Schedule 2.2.a(i), Equipment, Inventory, Vehicles

Item Description	suggested price	quantity	actual price	totals
Set-Top Boxes				
Set-Top Boxes	\$ 12,361.71	bulk	\$ 12,361.71	
			sub-total:	\$ 12,361.71
Test Equipment				
MPEG Test System	\$ 1,000.00	1	\$ 1,000.00	
MPEG Transport Stream Monitor (QAM)	\$ 100.00	1	\$ 100.00	
MPEG Transport Stream Monitor (GigE/ASI)	\$ 100.00	1	\$ 100.00	
MPEG Transport Stream Monitor (QAM)	\$ 100.00	1	\$ 100.00	
MPEG Transport Stream Monitor (8VSB)	\$ 100.00	1	\$ 100.00	
MPEG Transport Stream Monitor (GigE)	\$ 100.00	1	\$ 100.00	
DSAM	\$ 250.00	9	\$ 2,250.00	
CATV Meter	\$ 2,500.00	4	\$ 10,000.00	
Ethernet Link Assistant (MetroScope)	\$ 100.00	1	\$ 100.00	
Ethernet Link Assistant (Etherscope)	\$ 100.00	1	\$ 100.00	
Bandwidth Analysis	\$ 100.00	1	\$ 100.00	
CATV Sweep Meter Setup	\$ 2,810.50	16	\$ 44,968.00	
			sub-total:	\$ 59,018.00
Portable Generator				
Honda EU2001i	\$ 500.00	5	\$ 2,500.00	
			sub-total:	\$ 2,500.00
Vehicles				
CHEV EXPRESS CARGO VAN	\$ 12,236.00	5	\$ 61,180.00	
FORD E350 VAN ARL 29 FT VERSALIFT	\$ 17,368.00	1	\$ 17,368.00	
FORD TRANSIT VAN VERSALIFT 29' ARL	\$ 28,170.00	1	\$ 28,170.00	
CHEV COLORADO XC 4X4 PU	\$ 6,088.00	1	\$ 6,088.00	
FORD E350 VAN ARL TEREX HI-RANGER	\$ 12,966.00	3	\$ 38,898.00	
FORD ELDORADO 13-PASS SHUTTLE VAN	\$ 2,000.00	1	\$ 2,000.00	
			sub-total:	\$ 153,704.00
Warehouse Inventory				
Click Warehouse Inventory 110	\$ 32,471.16	1	\$ 32,471.16	
Click Warehouse Inventory 120	\$ 697.59	1	\$ 697.59	
Click Warehouse Inventory 121	\$ 19,349.24	1	\$ 19,349.24	
Click Warehouse Inventory 122	\$ 4,641.29	1	\$ 4,641.29	
Dead Stock 2014	\$ -	1	\$ -	
			sub-total:	\$ 57,159.27
Software (for test equipment)				
Effigis (CPAT Leakage detection system)	\$83.33	12	\$ 1,000.00	
Path track	\$0.00	1	\$ -	
Sunrise	\$0.00	1	\$ -	
Trillithic	\$0.00	1	\$ -	
Cable Plant Monitoring	\$9,000.00	1	\$ 9,000.00	
			sub-total:	\$ 10,000.00
Grand Total:				\$ 294,742.98



Exhibit A.2
(Head End Equipment)

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Headend Equipment				
Description	Serial Number	Object Type	Manufacturer	
XMA VOD Server - VOD On Demand	RQNNABV	EG001315 - Aud/Video Server	Arris	
Disney/ESPN Catcher Server	Dls/ESPN	EG001315 - Aud/Video Server	HP	
MC Management Console	KQDMMVVW	EG001315 - Aud/Video Server	IBM	
VOD Server Chassis Nvision #1	Nvision #1	EG001315 - Aud/Video Server	Arris	
VOD Server Chassis Nvision #2	Nvision #2	EG001315 - Aud/Video Server	Arris	
VOD Server Chassis Nvision #3	Nvision #3	EG001315 - Aud/Video Server	Arris	
VOD Server Chassis Nvision #4	Nvision #4	EG001315 - Aud/Video Server	Arris	
VOD Server Chassis Nvision #5	Nvision #5	EG001315 - Aud/Video Server	Arris	
VOD Server Local On-Demand	FM 644220098	EG001315 - Aud/Video Server	Sun Microsystem	
CMC Digital Data Receiver	F9999999	EG001136 - Receiver	International DataCasting	
CMC Digital Data Receiver	F9999999	EG001136 - Receiver	International DataCasting	
Video Satellite Rcvr - Velocity HD	F9999999	EG000830 - Optical Receiver	Arris	
Video Satellite Rcvr - ShoNext HD	F9999999	EG000830 - Optical Receiver	Motorola	
Matrix HE - Environmental Monitor	HE - Webmon	EN000040 - Master Controller	Dantei	
Advance Rcvr Transcoder - NBC Univer	F9999999	EG001136 - Receiver	Cisco	
Advance Rcvr Transcoder - Sundance HD	F9999999	EG001136 - Receiver	Cisco	
Pro Sat Rcvr - ShoTime/TMC HD	F9999999	EG001136 - Receiver	Motorola	
Advance Rcvr Transcoder - HGTV/Food HD	F9999999	EG001136 - Receiver	Scientific Atlanta	
Pro Sat Rcvr - Encore Esp	F9999999	EG001136 - Receiver	Motorola	
Pro Satellite Rcvr - Nat Geo HD	F9999999	EG001136 - Receiver	Motorola	
Pro Satellite Rcvr - Pixl HD	F9999999	EG001136 - Receiver	Motorola	
Pro Satellite Rcvr - Discovery HD	F9999999	EG001136 - Receiver	Motorola	
Advance Rcvr Transcoder - Travel HD	F9999999	EG001136 - Receiver	Cisco	
TWC SD Intellistar Receiver	F9999999	EG001136 - Receiver	Intellistar	
Spare - Satellite Receiver	F9999999	EG001136 - Receiver	Motorola	
Commercial Integrated Sat Rcvr	F9999999	EG001136 - Receiver	Arris	
Satellite Rcvr Video Cipher	F9999999	EG001136 - Receiver	Scientific Atlanta	
Satellite Rcvr Multiplex/Decrypter	F9999999	EG001136 - Receiver	General Instruments	
Satellite Integrated Rcvr/Transcoder	F9999999	EG001136 - Receiver	Motorola	
Advanced Rcvr/Transcoder QVC HD	F9999999	EG001136 - Receiver	Cisco	
Advanced Rcvr/Transcoder Outside TV	F9999999	EG001136 - Receiver	Cisco	
Advanced Rcvr/Transcoder A&E HD	F9999999	EG001136 - Receiver	Cisco	
Advanced Rcvr/Transcoder A&E SD	F9999999	EG001136 - Receiver	Cisco	
Pro Satellite Receiver - ESPN HD	F9999999	EG001136 - Receiver	Motorola	
Advanced Rcvr/Transcoder Root HD	F9999999	EG001136 - Receiver	Scientific Atlanta	
Pro Satellite Receiver - ESPN SD	F9999999	EG001136 - Receiver	Motorola	
Pro Satellite Receiver - ESPN2	F9999999	EG001136 - Receiver	Motorola	
Pro Satellite Receiver - ESPN News	F9999999	EG001136 - Receiver	Motorola	
Advanced Rcvr/Transcoder AMC HD	F9999999	EG001136 - Receiver	Cisco	
Multi Decryption Receiver - AMC SD	F9999999	EG001136 - Receiver	Scientific Atlanta	
Pro Satellite Receiver - FX HD	F9999999	EG001136 - Receiver	Motorola	
Advanced Rcvr/Transcoder Starz	F9999999	EG001136 - Receiver	Motorola	
Commercial Integrated Sat Rcvr	F9999999	EG001136 - Receiver	Arris	
TWC SD Intellistar Receiver	F9999999	EG001136 - Receiver	Intellistar	
Sat Receiver Multiplex/Decrypter	F9999999	EG001136 - Receiver	Motorola	
Advanced Rcvr/Transcoder Hallmark SD	F9999999	EG001136 - Receiver	Cisco	
Program Receiver	F9999999	EG001136 - Receiver	Scientific Atlanta	
Advanced Rcvr/Transcoder Golf HD	F9999999	EG001136 - Receiver	Scientific Atlanta	
Sat Receiver Multiplex/Decrypter	F9999999	EG001136 - Receiver	Motorola	
HDTV Receiver/Decoder	F9999999	EG001136 - Receiver	KTECH	
Pro Satellite Receiver - SyFy HD	F9999999	EG001136 - Receiver	Motorola	
Pro Satellite Receiver - BET SD	F9999999	EG001136 - Receiver	Motorola	
Integrated Receiver/Decoder	F9999999	EG001136 - Receiver	Harmonic	
Advanced Rcvr/Transcoder CBUT HD	F9999999	EG001136 - Receiver	Cisco	
Network Transport Receiver	F9999999	EG001136 - Receiver	Cisco	
Pro Satellite Receiver	F9999999	EG001136 - Receiver	Motorola	
Program Receiver - Classic Arts	F9999999	EG001136 - Receiver	Scientific Atlanta	
Program Receiver - Fox Business SD	F9999999	EG001136 - Receiver	Scientific Atlanta	
Pro Satellite Receiver - Fox Business HD	F9999999	EG001136 - Receiver	Motorola	
Pro Satellite Receiver - Fox HD	F9999999	EG001136 - Receiver	Motorola	
Program Receiver - QVC SD	F9999999	EG001136 - Receiver	Scientific Atlanta	
Multi Decryption Receiver - Int'l Net	F9999999	EG001136 - Receiver	Cisco	
Advanced Rcvr/Transcoder Golf HD	F9999999	EG001136 - Receiver	Cisco	
Advanced Rcvr/Transcoder Lifetime & LMN HD	UA 5987780-6	EG001136 - Receiver	Scientific Atlanta	
Pro Satellite Receiver - Discovery HD	F9999999	EG001136 - Receiver	Motorola	
Pro Satellite Receiver - ABC SD	F9999999	EG001136 - Receiver	Motorola	
Pro Satellite Receiver - Disney SD	F9999999	EG001136 - Receiver	Motorola	
Pro Satellite Receiver - Disney HD	F9999999	EG001136 - Receiver	Motorola	
Pro Satellite Receiver - CBS Sports SD	F9999999	EG001136 - Receiver	Motorola	
Pro Satellite Receiver - Big Ten HD	F9999999	EG001136 - Receiver	Motorola	
Pro Satellite Receiver - BET Soul HD/MTV2	2054812109005730	EG001136 - Receiver	Motorola	
Pro Satellite Receiver - HBO HD	F9999999	EG001136 - Receiver	Arris	
Pro Satellite Receiver - FS1 HD	F9999999	EG001136 - Receiver	Motorola	
Program Receiver - Fox News SD	F9999999	EG001136 - Receiver	Scientific Atlanta	
Pro Satellite Receiver - Fox News HD	F9999999	EG001136 - Receiver	Motorola	
Advanced Program Receiver - WGN SD	36138021976	EG001136 - Receiver	Cisco	
Advanced Program Receiver - TVN PPV	F9999999	EG001136 - Receiver	Cisco	
Multi Decryption Receiver - Fox Sports HD	F9999999	EG001136 - Receiver	Scientific Atlanta	
Program Receiver - HSN HD	F9999999	EG001136 - Receiver	Scientific Atlanta	
Pro Satellite Receiver	F9999999	EG001136 - Receiver	Arris	
Program Receiver - Golf HD	F9999999	EG001136 - Receiver	Scientific Atlanta	
Multi Decryption Receiver - Hallmark HD	F9999999	EG001136 - Receiver	Scientific Atlanta	
Adv Receiver Transcoder - EI HD	F9999999	EG001136 - Receiver	Scientific Atlanta	
Satellite Receiver	F9999999	EG001136 - Receiver	Arris	
Program Receiver - KSTW SD	F9999999	EG001136 - Receiver	Scientific Atlanta	
Splitter/Combiner Directional Coupler	F9999999	EG000760 - Multiplexer	Universal	
Splitter/Combiner Directional Coupler	F9999999	EG000760 - Multiplexer	Universal	
Splitter/Combiner Directional Coupler	F9999999	EG000760 - Multiplexer	Universal	
Splitter/Combiner Directional Coupler	F9999999	EG000760 - Multiplexer	Universal	
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Splitter/Combiner Directional Coupler	F9999999	EG000760 - Multiplexer	Universal	
Splitter/Combiner Directional Coupler	F9999999	EG000760 - Multiplexer	Universal	
Splitter/Combiner Directional Coupler	F9999999	EG000760 - Multiplexer	Universal	
Splitter/Combiner Directional Coupler	F9999999	EG000760 - Multiplexer		

TWC SD Intellistar Receiver	F9999999	EG001136 - Receiver	Chaparral
Commercial Integrated Sat Rcvr	F9999999	EG001136 - Receiver	Motorola
Satellite Receiver Video Cipher	F9999999	EG001136 - Receiver	Cisco
Satellite Receiver Multiplex/Decrypter	F9999999	EG001136 - Receiver	Motorola
Sat Integrated Receiver/Transcoder	F9999999	EG001136 - Receiver	Scientific Atlanta
Advanced Receiver/Transcoder - QVC HD	F9999999	EG001136 - Receiver	Motorola
Advanced Recv/Transcoder - Outside TV	F9999999	EG001136 - Receiver	Motorola
Advanced Receiver/Transcoder - A&E HD	F9999999	EG001136 - Receiver	Arris
Advanced Receiver/Transcoder - A&E SD	F9999999	EG001136 - Receiver	Cisco
Pro Satellite Receiver - ESPN HD	F9999999	EG001136 - Receiver	Cisco
Adv Receiver Transcoder - Root HD	F9999999	EG001136 - Receiver	Cisco
Adv Receiver Transcoder - Pac 12 NAT	F9999999	EG001136 - Receiver	Cisco
Pro Satellite Rcvr - Starz HD	F9999999	EG001136 - Receiver	Motorola
Satellite Demodulator	F9999999	EG000740 - Modulator	Scientific Atlanta
Pro Satellite Receiver - Starz HD	F9999999	EG001136 - Receiver	Motorola
Pro Satellite Receiver - MLB HD	F9999999	EG001136 - Receiver	Motorola
Satellite Receiver - Dest America HD	F9999999	EG001136 - Receiver	Motorola
Pro Satellite Receiver - Fox Deportes HD	F9999999	EG001136 - Receiver	Motorola
Pro Satellite Receiver - Fox Sports2 HD	F9999999	EG001136 - Receiver	Motorola
Pro Satellite Receiver - Nat Geo SD/HD	F9999999	EG001136 - Receiver	Motorola
Pro Satellite Receiver - ENC Action HD	F9999999	EG001136 - Receiver	Motorola
Pro Satellite Receiver - IndieFlex HD	F9999999	EG001136 - Receiver	Motorola
Pro Satellite Receiver - Cinemax HD	F9999999	EG001136 - Receiver	Motorola
Advanced Recvr Transcoder - Fusion HD	F9999999	EG001136 - Receiver	Motorola
Pro Satellite Receiver - ESPN Deportes SD	F9999999	EG001136 - Receiver	Motorola
Pro Satellite Receiver - MoviePlex HD	F9999999	EG001136 - Receiver	Motorola
Satellite Demodulator	F9999999	EG000740 - Modulator	Scientific Atlanta
OneNet SE EAS Receiver	F9999999	EG001136 - Receiver	Monroe Electronics
Emergency Alert System Server	F9999999	EG001315 - Aud/Video Server	IBM
Adv Receiver Transcoder - Reelz Channel	F9999999	EG001136 - Receiver	Cisco
Acterna - Stealth Sweep Transceiver	F9999999	EZ000140 - Test Equip	Acterna
Program Reciver - KCMS FM	F9999999	EG001136 - Receiver	Scientific Atlanta
Digital Tuner - 948 KING FM	F9999999	EG001136 - Receiver	Bogen
Universal Encoder - Audio Encoder	F9999999	EG001361 - Sequencer	Scopus
Digital Tuner - 951 KWJZ	F9999999	EG001136 - Receiver	Bogen
Digital Tuner - 957 KIRO	F9999999	EG001136 - Receiver	Bogen
Digital Tuner - 956 KXXD	F9999999	EG001136 - Receiver	Bogen
Digital Tuner - 953 KKWF	F9999999	EG001136 - Receiver	Bogen
Universal Encoder - Audio Encoder	F9999999	EG001361 - Sequencer	Scopus
AM/FM Stereo Tuner - 958 KRWM	F9999999	EG001136 - Receiver	Toa Electronics
Digital Tuner - Spare	F9999999	EG001136 - Receiver	Bogen
Universal Encoder - Audio Encoder	F9999999	EG001361 - Sequencer	Scopus

Digital Tuner - 949 KPLU	F9999999	EG001136 - Receiver	Bogen
Digital Tuner - 950 KUOW	F9999999	EG001136 - Receiver	Bogen
Digital Tuner - 960 KUTI	F9999999	EG001136 - Receiver	Bogen
Digital Aud/Vid Encoder/Decoder	F9999999	EG001361 - Sequencer	Radiant
Digital Tuner - Spare	F9999999	EG001136 - Receiver	Bogen
Digital Tuner - Spare	F9999999	EG001136 - Receiver	Bogen
Digital Tuner - Spare	F9999999	EG001136 - Receiver	Bogen
Digital Tuner - Spare	F9999999	EG001136 - Receiver	Bogen
Digital Tuner - Spare	F9999999	EG001136 - Receiver	Bogen
Digital Tuner - Spare	F9999999	EG001136 - Receiver	Bogen
XMS Ad Splicer - Server 1	F9999999	EG000110 - Network Server	Arris
XMS Ad Splicer - Server 2	F9999999	EG000110 - Network Server	Arris
EGT Encoder 1 - TVC/QVC	F9999999	EG001361 - Sequencer	EGT
EGT Encoder 2 - Reelz/NASA/KIRO	F9999999	EG001361 - Sequencer	EGT
EGT Encoder 3 - FXX/Big Ten	F9999999	EG001361 - Sequencer	EGT
EGT Encoder 4 - TVW/TV Tacoma	F9999999	EG001361 - Sequencer	EGT
EGT Encoder 5 - KCTS/KING	F9999999	EG001361 - Sequencer	EGT
EGT Encoder 6 - KCPQ/PCTV	F9999999	EG001361 - Sequencer	EGT
EGT Encoder 7 - KOMO/KSTW	F9999999	EG001361 - Sequencer	EGT
EGT Encoder 8 - KUNS/Disney	F9999999	EG001361 - Sequencer	EGT
EGT Encoder 9 - Test/Classic Arts	F9999999	EG001361 - Sequencer	EGT
EGT Encoder 10 - Spare	F9999999	EG001361 - Sequencer	EGT
EGT Encoder 11 - Spare	F9999999	EG001361 - Sequencer	EGT
EGT Encoder 12 - Spare	F9999999	EG001361 - Sequencer	EGT
EGT Encoder 13 - Spare	F9999999	EG001361 - Sequencer	EGT
Network Performance Tool Server	F9999999	EG001315 - Server Aud/Vid	Dell
Satellite Receiver - KLS 2	KLS 2	EG001136 - Receiver	General Instruments
Satellite Receiver - KLS 1	KLS 1	EG001136 - Receiver	General Instruments
Network Controller - 1	F9999999	EN000010 - Controller	Motorola
Network Controller - 2	F9999999	EN000010 - Controller	Motorola
Digital Addressable Controller (DAC)	F9999999	EN000040 - Master Controller	Motorola
CASMR - Conditional Access System	F9999999	EN000040 - Master Controller	HP
Avocent Autoview 3008	F9999999	EN000010 - Controller	Avocent
Modular Receiver/Decoder	F9999999	EG001136 - Receiver	Sencore
Satellite Receiver - KCPQ Ch. 13	F9999999	EG001136 - Receiver	Tandberg
Pro Receiver/Decoder - KOMO	F9999999	EG001136 - Receiver	KTECH
Pro Receiver/Decoder - KIRO	F9999999	EG001136 - Receiver	KTECH
Pro Receiver/Decoder - KING	F9999999	EG001136 - Receiver	KTECH
Pro Receiver/Decoder - KSTW	F9999999	EG001136 - Receiver	KTECH
Pro Receiver/Decoder - KING	F9999999	EG001136 - Receiver	KTECH
Pro Receiver/Decoder - KZJO	F9999999	EG001136 - Receiver	KTECH
Pro Receiver/Decoder - Spare	F9999999	EG001136 - Receiver	KTECH
Pro Receiver/Decoder - NASA	F9999999	EG001136 - Receiver	KTECH
Pro Receiver/Decoder - KUNS	F9999999	EG001136 - Receiver	KTECH
Pro Receiver/Decoder - KUNS2/Mundo	F9999999	EG001136 - Receiver	KTECH
Pro Receiver/Decoder - KWPX	F9999999	EG001136 - Receiver	KTECH
ASI Splitter	F9999999	EG000217 - Combiner	MegaHertz
Smartstream Device Manager	F9999999	EG001315 - Server	Arris
Remote Addressable DANIS/DLS (RADD)	F9999999	EG001315 - Server	CSS/RADD
KLS 3000/CPMS	F9999999	EG001315 - Server	KLS 3000
Pro Receiver/Decoder - TV Tacoma	F9999999	EG001136 - Receiver	KTECH
Pro Receiver/Decoder - PCTV	F9999999	EG001136 - Receiver	KTECH
Pro Receiver/Decoder - Spare	F9999999	EG001136 - Receiver	KTECH
Pro Receiver/Decoder - Spare	F9999999	EG001136 - Receiver	KTECH
Satellite Receiver - KCPQ Ch. 13	F9999999	EG001136 - Receiver	Tandberg
Pro Receiver/Decoder - Spare	F9999999	EG001136 - Receiver	KTECH
Pro Receiver/Decoder - Spare	F9999999	EG001136 - Receiver	KTECH
APEX Edge QAM - 1	F9999999	EG000100 - Switch	Motorola
APEX Edge QAM - 2	F9999999	EG000100 - Switch	Motorola
APEX Edge QAM - 3	F9999999	EG000100 - Switch	Motorola
APEX Edge QAM - 4	F9999999	EG000100 - Switch	Motorola
MPEG Transport Stream Monitor	F9999999	EG000760 - Multiplexer	Tetronix
Vecima - IP to Analog Edge Decoder 1	F9999999	EG000740 - Modulator	Vecima - 1
Vecima - IP to Analog Edge Decoder 2	F9999999	EG000740 - Modulator	Vecima - 2
Vecima - IP to Analog Edge Decoder 3	F9999999	EG000740 - Modulator	Vecima - 3
HE Redundant Amplifier System - UP	F9999999	EG000120 - Amplifier	QRF - 1
HE Redundant Amplifier System - UP Pr	F9999999	EG000120 - Amplifier	QRF - 2
He Redundant Amp System - UP Bkup	F9999999	EG000120 - Amplifier	QRF - 3
CPAT - Dual Band Signal Generator	F9999999	EG001575 - Test Generator	Effigis
TelVue HyperCaster B-100 IPTV	F9999999	EG000120 - Amplifier	TelVue
Pro Satellite Receiver - SHO/SHO2	F9999999	EG001136 - Receiver	Motorola
TelVue HyperCaster B-100 IPTV	F9999999	EG000120 - Amplifier	TelVue
Remote Service Analyzer RSAM	F9999999	EZ000140 - Test Equip	JDSU
MPEG Video Probe Analyzer	F9999999	EZ000140 - Test Equip	JDSU
Advanced Rcvr Transcoder - Oxygen SD	F9999999	EG001136 - Receiver	Cisco
Advanced Rcvr Transcoder - Sprout SD	F9999999	EG001136 - Receiver	Cisco
Advanced Rcvr Transcoder - Bravo SD	F9999999	EG001136 - Receiver	Cisco
Advanced Rcvr Transcoder - CNBC HD	F9999999	EG001136 - Receiver	Cisco
Advanced Rcvr Transcoder - Syfy HD	F9999999	EG001136 - Receiver	Cisco

Advanced Rcvr Transcoder - USA HD	F9999999	EG001136 - Receiver	Cisco
Advanced Rcvr Transcoder - NFL Redzone HD	F9999999	EG001136 - Receiver	Cisco
Advanced Rcvr Transcoder - NFL HD	F9999999	EG001136 - Receiver	Cisco
Adv Program Receiver - MBC Korea SD	F9999999	EG001136 - Receiver	Motorola
Advanced Rcvr Transcoder - NBC Univesal	F9999999	EG001136 - Receiver	Cisco
MPEG Transport Stream Monitor	F9999999	EG000760 - Multiplexer	Tektronix
Sunrise Telecom Spectrum Analyzer	F9999999	EZ000140 - Test Equip	Sunrise Telecom
Sunrise Telecom Spectrum Analyzer	F9999999	EZ000140 - Test Equip	Sunrise Telecom
Multicom Optical Transmitter	F9999999	EG000850 - Optical Transmitter	Multicom
Pro Satellite Receiver - SHORTS HD	F9999999	EG001136 - Receiver	Motorola
Pro Satellite Receiver - HSN SD	F9999999	EG001136 - Receiver	Scientific Atlanta
Adv Rcvr Transcoder - YouTooAmerica	F9999999	EG001136 - Receiver	Cisco
Adv Rcvr Transcoder - FYI HD	F9999999	EG001136 - Receiver	Cisco
Adv Rcvr Transcoder - MTV/Spike HD	F9999999	EG001136 - Receiver	Cisco
Adv Rcvr Transcoder - CMT HD	F9999999	EG001136 - Receiver	Cisco
Adv Rcvr Transcoder - VH1/Comedy HD	F9999999	EG001136 - Receiver	Cisco
Adv Rcvr Transcoder - NICK HD	F9999999	EG001136 - Receiver	Cisco
Satellite Receiver - HITS 14	F9999999	EG001136 - Receiver	General Instruments
RF L-Band Splitter (Active)	F9999999	EG000217 - Combiner	Qunitech
RF L-Band Splitter (Passive)	F9999999	EG000217 - Combiner	Quintech
RF L-Band Splitter (Passive)	F9999999	EG000217 - Combiner	Quintech
Splitter/Combiner Directional Coupler	F9999999	EG000217 - Combiner	ADC Telecommunications
Splitter/Combiner Directional Coupler	F9999999	EG000217 - Combiner	ADC Telecommunications
Splitter/Combiner Directional Coupler	F9999999	EG000217 - Combiner	ADC Telecommunications
LNB Power Supply	F9999999	ED000250 - UPS	Quintech
Satellite Receiver - MoviePlex SD/Starz	F9999999	EG001136 - Receiver	Arris
Pro Satellite Rcvr - ESPN Classics	F9999999	EG001136 - Receiver	Motorola
Combiner - IP to ASI Converter	F9999999	EG000217 - Combiner	Advanced Digital Inc
Adv Rcvr Trnsocoder - Life/Mill HD	F9999999	EG001136 - Receiver	Cisco
Program Receiver - The Word HD	F9999999	EG001136 - Receiver	Scientific Atlanta
Satellite Receiver - Destination America	F9999999	EG001136 - Receiver	Motorola
Pro Satellite Receiver - OWN HD	F9999999	EG001136 - Receiver	Motorola
Pro Satellite Receiver - Disney Jr HD	F9999999	EG001136 - Receiver	Motorola
Satellite Receiver - Food Net/HGTV HD	F9999999	EG001136 - Receiver	General Instruments
Satellite Receiver - Playboy HD	F9999999	EG001136 - Receiver	Motorola
Integrated Receiver/Decoder - Music Choice	F9999999	EG001136 - Receiver	Harmonic
IADI - Music Choice Inserter	F9999999	EG001315 - Server Aud/Vid	EAS System
Program Receiver - Jewelry SD	25806144	EG001136 - Receiver	Scientific Atlanta
Digital Media Receiver	F9999999	EG001136 - Receiver	Wegener
Program Receiver - Jewelry Spare Rcvr	F9999999	EG001136 - Receiver	Scientific Atlanta
CherryPicker Application Platform #6	F9999999	EG00760 - Multiplexer	Motorola
CherryPicker Application Platform #1	F9999999	EG00760 - Multiplexer	Motorola
CherryPicker Application Platform #8	F9999999	EG00760 - Multiplexer	Motorola
CherryPicker Applications Platform #9	F9999999	EG00760 - Multiplexer	Motorola
Cherry Picker Applications Platform #10	F9999999	EG00760 - Multiplexer	Motorola
CherryPicker Applications Platform Spare	F9999999	EG00760 - Multiplexer	Motorola
Multiple Decryption Rcvr - TNT/Toons SD	F9999999	EG001136 - Receiver	Scientific Atlanta
Advanced Rcvr Transcoder - TV Japan	F9999999	EG001136 - Receiver	Cisco
MPEG/IRD Satellite Receiver - HD Net HD	F9999999	EG001136 - Receiver	Wegener
Pro Satellite Receiver - HRTV HD	F9999999	EG001136 - Receiver	Motorola
Pro Satellite Receiver - CSPAN2 HD	F9999999	EG001136 - Receiver	Motorola
Broadband Multimedia Service Router #2	F9999999	EG001230 - Router (Net App)	BigBand
CherryPicker Applications Platform #2	F9999999	EG00760 - Multiplexer	Motorola
CherryPicker Applications Platform #3	F9999999	EG00760 - Multiplexer	Motorola
CherryPicker Applications Platform #7	F9999999	EG00760 - Multiplexer	Motorola
CherryPicker Applications Platform #4	F9999999	EG00760 - Multiplexer	Motorola
CherryPicker Applications Platform #5	F9999999	EG00760 - Multiplexer	Motorola
QAM Edge Encryptor Modulator #7	F9999999	EG00740 - Modulator	Motorola
QAM Edge Encryptor Modulator #1	F9999999	EG00740 - Modulator	Motorola
QAM Edge Encryptor Modulator #2	F9999999	EG00740 - Modulator	Motorola
QAM Edge Encryptor Modulator #3	F9999999	EG00740 - Modulator	Motorola
QAM Edge Encryptor Modulator #4	F9999999	EG00740 - Modulator	Motorola
SMU Control Server - Primary	F9999999	EG001315 - Server	Arris
SMU Control Server - Backup	F9999999	EG001315 - Server	IBM
Broadband Multimedia Service Router #1	F9999999	EG001230 - Router (Net App)	BigBand

Demodulator Converter #1	2722035	EG000280 - Demodulator	Wel IAV
Demodulator Converter #2	2722063	EG000280 - Demodulator	Wel IAV
Demodulator Converter #3	2722063	EG000280 - Demodulator	Wel IAV
Dish 1 serial 1005910	4.5 meter dishes	Brand Scientific Atlanta model 8345	
Dish 2 serial 1007240	4.5 meter dishes	Brand Scientific Atlanta model 8346	
Dish 3 serial 1006545	4.5 meter dishes	Brand Scientific Atlanta model 8347	
Dish 4 serial 1005880	4.5 meter dishes	Brand Scientific Atlanta model 8348	
Dish 5 serial 100655? The last digit is un-readable	4.5 meter dishes	Brand Scientific Atlanta model 8349	

The dishes on the roof are a mix of 3.7 meter Loral Skynet or DH, and 3.8 meter Patriot. Plus the steerable dish which I think is a 3.7 meter Chaparral but again no markings.

3813522	Patriot 3.8 had a decal with a Part number of PRT-380
3814298	Patriot 3.8 had a decal with a Part number of PRT-380

24"x13'6" Aircscreen AeroPro Pro system including:
inflatable outdoor movie screen
inflatable frame, lower panel
front projection surface
screen bungee ties
high pressure blower
black nylon high tension tethers
heavy duty carry bag
four steel stakes
deluxe repair kit
manual
Aeropro Pro HD console & sound system
heavy duty ATA rated road case
triple screen LCD monitor
BlueRay and progressive scan DVD players
HD video switcher
pro quality rack mounted audio mixer with iPod dock
power conditioner and surge protector with two lamps
microphone
audio and video cables
PRO speaker system

Projector w/case and stand



Exhibit A.3
(Set-Top Boxes)

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- 26

Exhibit A7

Set Top Boxes	
Model	quantity (in home)
DCX3200	7261
DCX3510	1094
MG1	722
Mini	871
MG2	465