

IFB C4DNCS19
Data Networks and Communications Services
CATEGORY 23 – METROPOLITAN AREA NETWORK ETHERNET

NWN Corporation

CATALOG B

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Category 23 – METROPOLITAN AREA NETWORK ETHERNET

23.2.1.3 Ethernet Virtual Private Line (EVPL) MAE Service

Contractor’s Description of Service:

NWN’s Ethernet VPL service uses fiber and copper access to provide networking between locations in three configuration options

- point to point
- point to multipoint
- multipoint to multipoint

Geographic Availability:

Line Item	Service Location – City or ZIP Code	Line Item	Service Location – City or ZIP Code	Line Item	Service Location – City or ZIP Code	Line Item	Service Location – City or ZIP Code	Line Item	Service Location – City or ZIP Code
1	Los Angeles	141	Chula Vista	281	Fountain Valley	421	Millbrae	561	Winton
2	West Hollywood	142	Imperial Beach	282	Tustin	422	Mountain View	562	Santa Rosa
3	Playa Vista	143	Jamul	283	Anaheim	423	Pacifica	563	Cazadero
4	Bell Gardens	144	La Mesa	284	Brea	424	Redwood City	564	Clearlake
5	Beverly Hills	145	Lemon Grove	285	Fullerton	425	San Bruno	565	Cloverdale
6	Compton	146	National City	286	Garden Grove	426	San Carlos	566	Forestville
7	Culver City	147	Spring Valley	287	Norco	427	South San Francisco	567	Fort Bragg
8	Downey	148	Tecate	288	Orange	428	Sunnyvale	568	Geyserville
9	El Segundo	149	Bonsall	289	Placentia	429	San Francisco	569	Glen Ellen
10	Gardena	150	Cardiff By The Sea	290	Corona	430	Palo Alto	570	Gualala
11	Hawthorne	151	Carlsbad	291	Yorba Linda	431	Stanford	571	Guerneville
12	Hermosa Beach	152	Del Mar	292	Ventura	432	San Mateo	572	Healdsburg
13	Huntington Park	153	El Cajon	293	Camarillo	433	Alameda	573	Kelseyville
14	Lawndale	154	Encinitas	294	Carpinteria	434	American Canyon	574	Kenwood
15	Lynwood	155	Escondido	295	Fillmore	435	Danville	575	Lakeport
16	Malibu	156	Fallbrook	296	Moorpark	436	Alamo	576	Lower Lake

17	Manhattan Beach	157	Julian	297	Oak View	437	Angwin	577	Middletown
18	Maywood	158	La Jolla	298	Ojai	438	Antioch	578	Monte Rio
19	Pacific Palisades	159	Lakeside	299	Oxnard	439	Benicia	579	Occidental
20	Palos Verdes Peninsula	160	Oceanside	300	Piru	440	Brentwood	580	Philo
21	Rancho Palos Verdes	161	Camp Pendleton	301	Port Hueneme	441	Byron	581	Hidden Valley Lake
22	Redondo Beach	162	Pala	302	Santa Paula	442	Calistoga	582	Redwood Valley
23	South Gate	163	Pauma Valley	303	Simi Valley	443	Concord	583	Sebastopol
24	Topanga	164	Poway	304	Brandeis	444	Pleasant Hill	584	Sonoma
25	Venice	165	Ramona	305	Somis	445	Crockett	585	Ukiah
26	Marina Del Rey	166	Rancho Santa Fe	306	Santa Barbara	446	El Cerrito	586	Upper Lake
27	Playa Del Rey	167	San Marcos	307	Goleta	447	Fairfield	587	Willits
28	Inglewood	168	Santa Ysabel	308	Armona	448	Fremont	588	Windsor
29	Santa Monica	169	Santee	309	Arvin	449	Hayward	589	Eureka
30	Torrance	170	Solana Beach	310	Avenal	450	Castro Valley	590	Mckinleyville
31	Whittier	171	Vista	311	Coalinga	451	Hercules	591	Arcata
32	Buena Park	172	Valley Center	312	Corcoran	452	Lafayette	592	Crescent City
33	La Palma	173	San Diego	313	Delano	453	Livermore	593	Fortuna
34	Cypress	174	Coronado	314	Ducor	454	Martinez	594	Garberville
35	La Habra	175	San Ysidro	315	Earlimart	455	Moraga	595	Loleta
36	La Mirada	176	Indio	316	Exeter	456	Napa	596	Redway
37	Montebello	177	Indian Wells	317	Pine Mountain Club	457	Newark	597	Scotia
38	Norwalk	178	Palm Desert	318	Farmersville	458	Oakley	598	Smith River
39	Pico Rivera	179	Banning	319	Frazier Park	459	Orinda	599	Trinidad
40	Santa Fe Springs	180	Beaumont	320	Hanford	460	Pinole	600	Auburn
41	Stanton	181	Blythe	321	Kettleman City	461	Pittsburg	601	West Sacramento
42	Artesia	182	Brawley	322	Lake Isabella	462	Pleasanton	602	Brooks
43	Cerritos	183	Cabazon	323	Lamont	463	Dublin	603	Carmichael
44	Avalon	184	Calexico	324	Lebec	464	Rio Vista	604	Citrus Heights
45	Bellflower	185	Calipatria	325	Lemoore	465	Rodeo	605	Clarksburg
46	Harbor City	186	Cathedral City	326	Lindsay	466	Rutherford	606	Coloma
47	Lakewood	187	Coachella	327	Mc Farland	467	Saint Helena	607	Davis
48	Hawaiian Gardens	188	Desert Hot Springs	328	Porterville	468	Deer Park	608	Diamond Springs

49	Lomita	189	El Centro	329	Richgrove	469	San Leandro	609	Dixon
50	Los Alamitos	190	Heber	330	Shafter	470	San Lorenzo	610	Elk Grove
51	Paramount	191	Holtville	331	Stratford	471	San Ramon	611	Fair Oaks
52	San Pedro	192	Imperial	332	Strathmore	472	Suisun City	612	Folsom
53	Seal Beach	193	Joshua Tree	333	Taft	473	Sunol	613	Galt
54	Sunset Beach	194	La Quinta	334	Three Rivers	474	Union City	614	Garden Valley
55	Wilmington	195	Mecca	335	Tulare	475	Vallejo	615	Georgetown
56	Carson	196	Niland	336	Visalia	476	Walnut Creek	616	Herald
57	Signal Hill	197	North Palm Springs	337	Wasco	477	Yountville	617	Ione
58	Long Beach	198	Palm Springs	338	Woodlake	478	Oakland	618	Jackson
59	Altadena	199	Rancho Mirage	339	Bakersfield	479	Emeryville	619	Lincoln
60	Arcadia	200	Thermal	340	San Luis Obispo	480	Berkeley	620	Loomis
61	Duarte	201	Salton City	341	Los Osos	481	Albany	621	McClellan
62	La Canada Flintridge	202	Thousand Palms	342	Arroyo Grande	482	Richmond	622	Madison
63	Monrovia	203	Twentynine Palms	343	Atascadero	483	El Sobrante	623	Mather
64	Montrose	204	Whitewater	344	Buellton	484	San Pablo	624	Newcastle
65	Sierra Madre	205	Winterhaven	345	Cambria	485	San Rafael	625	North Highlands
66	South Pasadena	206	Yucca Valley	346	Cayucos	486	Greenbrae	626	Roseville
67	Sunland	207	Adelanto	347	Grover Beach	487	Belvedere Tiburon	627	Orangevale
68	Tujunga	208	Apple Valley	348	Guadalupe	488	Corte Madera	628	Placerville
69	Pasadena	209	Baker	349	Lompoc	489	Rohnert Park	629	Pleasant Grove
70	San Marino	210	Barstow	350	Los Alamos	490	Dillon Beach	630	Rancho Cordova
71	Glendale	211	Grand Terrace	351	Los Olivos	491	Cotati	631	Rescue
72	La Crescenta	212	Big Bear Lake	352	Morro Bay	492	Larkspur	632	Rio Linda
73	Agoura Hills	213	Bloomington	353	Nipomo	493	Marshall	633	Rocklin
74	Calabasas	214	Blue Jay	354	Paso Robles	494	Mill Valley	634	Shingle Springs
75	Canoga Park	215	Calimesa	355	Pismo Beach	495	Novato	635	Sloughhouse
76	Winnetka	216	Cedar Glen	356	San Ardo	496	Nicasio	636	Vacaville
77	West Hills	217	Cedarpines Park	357	Santa Margarita	497	Petaluma	637	Wheatland
78	Chatsworth	218	Colton	358	Santa Maria	498	Point Reyes Station	638	Winters
79	Encino	219	Crestline	359	Santa Ynez	499	Ross	639	Woodland
80	Newbury Park	220	Daggett	360	Shandon	500	San Anselmo	640	Camino
81	Newhall	221	Essex	361	Solvang	501	Sausalito	641	Colfax

82	Northridge	222	Fontana	362	Templeton	502	Woodacre	642	Pollock Pines
83	Porter Ranch	223	Hesperia	363	Mojave	503	Alviso	643	Granite Bay
84	Pacoima	224	Highland	364	California City	504	Aptos	644	El Dorado Hills
85	Reseda	225	Lake Arrowhead	365	Acton	505	Boulder Creek	645	Sacramento
86	San Fernando	226	Loma Linda	366	Bishop	506	Campbell	646	Antelope
87	Sylmar	227	Lucerne Valley	367	Boron	507	Capitola	647	Marysville
88	North Hills	228	Lytle Creek	368	Bridgeport	508	Castroville	648	Beale Afb
89	Granada Hills	229	Mentone	369	Edwards	509	Cupertino	649	Alleghany
90	Mission Hills	230	Needles	370	Independence	510	Felton	650	Arbuckle
91	Santa Clarita	231	Nipton	371	Keene	511	Freedom	651	Chico
92	Canyon Country	232	Oro Grande	372	Lancaster	512	Gilroy	652	Colusa
93	Sun Valley	233	Phelan	373	Little Rock	513	Hollister	653	Dunnigan
94	Valencia	234	Redlands	374	Llano	514	Los Gatos	654	Durham
95	Tarzana	235	Rialto	375	Lone Pine	515	Milpitas	655	Grass Valley
96	Thousand Oaks	236	Skyforest	376	Mammoth Lakes	516	Morgan Hill	656	Penn Valley
97	Westlake Village	237	Victorville	377	Palmdale	517	San Juan Bautista	657	Gridley
98	Woodland Hills	238	Yermo	378	Ridgecrest	518	San Martin	658	Live Oak
99	Stevenson Ranch	239	Yucaipa	379	Rosamond	519	Santa Clara	659	Magalia
100	Castaic	240	San Bernardino	380	Tehachapi	520	Santa Cruz	660	Nevada City
101	Van Nuys	241	Riverside	381	Chowchilla	521	Scotts Valley	661	Olivehurst
102	Panorama City	242	March Air Reserve Base	382	Clovis	522	Saratoga	662	Orland
103	Sherman Oaks	243	Lake Elsinore	383	Cutler	523	Soquel	663	Oroville
104	Burbank	244	Aguanga	384	Dinuba	524	Watsonville	664	Paradise
105	North Hollywood	245	Anza	385	Dos Palos	525	San Jose	665	Princeton
106	Studio City	246	Hemet	386	Firebaugh	526	Stockton	666	Quincy
107	Valley Village	247	Moreno Valley	387	Five Points	527	Acampo	667	Sutter
108	Universal City	248	Murrieta	388	Fowler	528	Angels Camp	668	Williams
109	Rancho Cucamonga	249	Nuevo	389	Friant	529	French Camp	669	Willows
110	Azusa	250	Perris	390	Kerman	530	Linden	670	Yuba City
111	Baldwin Park	251	San Jacinto	391	Kingsburg	531	Lodi	671	Redding
112	Chino	252	Menifee	392	Los Banos	532	San Andreas	672	Anderson
113	Chino Hills	253	Sun City	393	Madera	533	Atwater	673	Burney
114	Claremont	254	Temecula	394	Orange Cove	534	Tracy	674	Canby

115	Covina	255	Wildomar	395	Parlier	535	Ceres	675	Corning
116	El Monte	256	Irvine	396	Fresno	536	Crows Landing	676	Fall River Mills
117	South El Monte	257	Foothill Ranch	397	Reedley	537	Delhi	677	Fort Jones
118	Glendora	258	Capistrano Beach	398	Riverdale	538	Escalon	678	Mcarthur
119	La Puente	259	Corona Del Mar	399	Sanger	539	Groveland	679	Mount Shasta
120	Hacienda Heights	260	Costa Mesa	400	Selma	540	Gustine	680	Red Bluff
121	Rowland Heights	261	Dana Point	401	Salinas	541	Hilmar	681	Weaverville
122	La Verne	262	Lake Forest	402	Big Sur	542	Hughson	682	Weed
123	Mira Loma	263	Laguna Woods	403	Carmel	543	Jamestown	683	Yreka
124	Monterey Park	264	Huntington Beach	404	Gonzales	544	Lathrop	684	Alturas
125	Ontario	265	Laguna Beach	405	Greenfield	545	Le Grand	685	Cedarville
126	Montclair	266	Laguna Hills	406	King City	546	Livingston	686	Markleeville
127	Diamond Bar	267	Midway City	407	Marina	547	Manteca	687	Susanville
128	Pomona	268	Aliso Viejo	408	Monterey	548	Mariposa	688	Tahoma
129	Rosemead	269	Newport Coast	409	Pacific Grove	549	Merced	689	Kings Beach
130	San Dimas	270	Newport Beach	410	Pebble Beach	550	Modesto	690	Tahoe City
131	San Gabriel	271	San Clemente	411	Seaside	551	Newman	691	South Lake Tahoe
132	Temple City	272	San Juan Capistrano	412	Soledad	552	Oakdale	692	Truckee
133	Upland	273	Silverado	413	Belmont	553	Patterson		
134	Walnut	274	Laguna Niguel	414	Brisbane	554	Ripon		
135	West Covina	275	Trabuco Canyon	415	Burlingame	555	Riverbank		
136	Alhambra	276	Westminster	416	Daly City	556	Salida		
137	Alpine	277	Rancho Santa Margarita	417	Los Altos	557	Sonora		
138	Bonita	278	Mission Viejo	418	Menlo Park	558	Tuolumne		
139	Boulevard	279	Ladera Ranch	419	Atherton	559	Turlock		
140	Campo	280	Santa Ana	420	Portola Valley	560	Waterford		

State Associated Administrative Fee Charge - Services identified below with "Yes" in the SAAF Applied column will have a 2.5% fee applied to the Monthly Recurring Charge or usage. Charges below do not include the SAAF. The SAAF will appear as a separate line on the customer's invoice.

Table 23.2.1.6.a – MAE Services and Features

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
1	EPL MAE Service Connection 10/100 Mbps	ATS-BUN-MAE-EPL100M	10/100 Mbps Ethernet port per location; Assessed per interface at bandwidths of 10/100 Mbps (10/100BASE-T). The EPL connection rate element includes the physical connection (Access Link) between the Customer's demarcation and the core Ethernet network, the port, one EVC and the NI.			\$136.54	Each	Yes	Yes	Required

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
2	EPL MAE Service Connection 10/100 Mbps with Managed IP Enabled Routing Device	ATS-BUN-MAE-EPL100MR	10/100 Mbps Ethernet port per location with managed IP enabled routing device; Assessed per interface at bandwidths of 10/100 Mbps (10/100BASE-T). The EPL connection rate element includes the physical connection (Access Link) between the Customer's demarcation and the core Ethernet network, the port, one EVC and the NI.		\$395.00	\$317.00	Each	Yes	Yes	Required

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
3	EPL MAE Service Connection Gigabit Ethernet (1 Gbps)	ATS-BUN-MAE-EPL1G	1 Gbps Ethernet port per location; Assessed per interface at bandwidths of 1 Gbps Ethernet. The EPL connection rate element includes the physical connection (Access Link) between the Customer's demarcation and the core Ethernet network, the port, one EVC and the NI.			\$136.54	Each	Yes	Yes	Required

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
4	EPL MAE Service Connection Gigabit Ethernet (1 Gbps) with Managed IP Enabled Routing Device	ATS-BUN-MAE-EPL1GR	1 Gbps Ethernet port per location, with managed IP enabled routing device; Assessed per interface at bandwidths of 1 Gbps Ethernet. The EPL connection rate element includes the physical connection (Access Link) between the Customer's demarcation and the core Ethernet network, the port, one EVC and the NI.		\$795.00	\$317.00	Each	Yes	Yes	Required

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
5	EPL MAE Service Connection Gigabit Ethernet (10 GE)	ATS-BUN-MAE-EPL10GE	10 Gbps Ethernet port per location; Assessed per interface at bandwidths of 10 Gbps Ethernet. The EPL connection rate element includes the physical connection (Access Link) between the Customer's demarcation and the core Ethernet network, the port, one EVC and the NI.			\$136.54	Each	Yes	Yes	Required

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
6	EPL MAE Service Connection Gigabit Ethernet (10 GE) with Managed IP Enabled Routing Device	ATS-BUN-MAE-EPL10GER	10 Gbps Ethernet port per location, with managed IP enabled routing device; Assessed per interface at bandwidths of 10 Gbps Ethernet. The EPL connection rate element includes the physical connection (Access Link) between the Customer's demarcation and the core Ethernet network, the port, one EVC and the NI.		\$1,455.00	\$317.00	Each	Yes	Yes	Required

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
7	EVPL MAE Service Connection 10/100 Mbps	ATS-BUN-MAE-EVPL100M	Assessed per interface at bandwidths of 10/100 Mbps (10/100BASE-T). The EVPL connection rate element includes the physical connection (Access Link) between the Customer's demarcation and the core Ethernet network, the port, one EVC and the NI.			\$136.54	Each	Yes	Yes	Required

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
8	EVPL MAE Service Connection 10/100 Mbps with Managed IP Enabled Routing Device	ATS-BUN-MAE-EVPL100MR	Assessed per interface at bandwidths of 10/100 Mbps (10/100BASE-T) with managed IP enabled routing device. The EVPL connection rate element includes the physical connection (Access Link) between the Customer's demarcation and the core Ethernet network, the port, one EVC and the NI.		\$395.00	\$317.00	Each	Yes	Yes	Required

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
9	EVPL MAE Service Connection Gigabit Ethernet (1 Gbps)	ATS-BUN-MAE-EVPL1G	Assessed per interface at bandwidths of 1 Gbps Ethernet. The EVPL connection rate element includes the physical connection (Access Link) between the Customer's demarcation and the core Ethernet network, the port, one EVC and the NI.			\$136.54	Each	Yes	Yes	Required

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
10	EVPL MAE Service Connection Gigabit Ethernet (1 Gbps) with Managed IP Enabled Routing Device	ATS-BUN-MAE-EVPL1GR	Assessed per interface at bandwidths of 1 Gbps Ethernet with managed IP Enabled routing device. The EVPL connection rate element includes the physical connection (Access Link) between the Customer's demarcation and the core Ethernet network, the port, one EVC and the NI.		\$795.00	\$317.00	Each	Yes	Yes	Required

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
11	EVPL MAE Service Connection 10 Gigabit Ethernet (10 GE)	ATS-BUN-MAE-EVPL10GE	Assessed per interface at bandwidths of 10 GE. The EVPL connection rate element includes the physical connection (Access Link) between the Customer's demarcation and the core Ethernet network, the port, one EVC and the NI.			\$136.54	Each	Yes	Yes	Required

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
12	EVPL MAE Service Connection 10 Gigabit Ethernet (10 GE) with Managed IP Enabled Routing Device	ATS-BUN-MAE-EVPL10GER	Assessed per interface at bandwidths of 10 GE with managed IP Enabled routing device. The EVPL connection rate element includes the physical connection (Access Link) between the Customer's demarcation and the core Ethernet network, the port, one EVC and the NI.		\$1,455.00	\$317.00	Each	Yes	Yes	Required

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
13	Additional MAE MAC Addresses (51-100)	ATS-PRO-CIR-MAC100	MAC Address rate element is a data link layer protocol used for Layer 2 connectivity. Standard service allows up to 50 MAC addresses to be present per EPL/EVPL connection. This optional feature increases that limit up to 100 MAC addresses per EPL/EVPL connection. A technical review will be necessary to determine if service can be provided and for approval to exceed the limit.			\$30.00	Each	Yes	Yes	Required

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
14	Ethernet Virtual Connection (EVC) MAE	ATS-PRO-CIR-EVC	EVC rate element. EVCs shall be assigned in 1 Mbps increments within each port range. Customer may order additional EVCs to establish additional virtual connections over the same physical connections. When additional EVCs are ordered, the Customer must designate the portion of the CIR bandwidth assigned to each EVC.			\$35.00	Each	Yes	Yes	Required

Table 23.2.1.6.b – CIR Basic Class of Service MAE

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
1	BASIC CIR MAE - 2 Mbps	ATS-BUN-MAE-CIRB2M	The guaranteed average bandwidth of the virtual circuit.		N/A	\$130.00	Each	Yes	Yes	Required
2	BASIC CIR MAE - 4 Mbps	ATS-BUN-MAE-CIRB4M	The guaranteed average bandwidth of the virtual circuit.		N/A	\$218.82	Each	Yes	Yes	Required
3	BASIC CIR MAE - 5 Mbps	ATS-BUN-MAE-CIRB5M	The guaranteed average bandwidth of the virtual circuit.			\$218.82	Each	Yes	Yes	Required
4	BASIC CIR MAE - 8 Mbps	ATS-BUN-MAE-CIRB8M	The guaranteed average bandwidth of the virtual circuit.			\$333.00	Each	Yes	Yes	Required
5	BASIC CIR MAE - 10 Mbps	ATS-BUN-MAE-CIRB10M	The guaranteed average bandwidth of the virtual circuit.			\$333.00	Each	Yes	Yes	Required

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
6	BASIC CIR MAE - 20 Mbps	ATS-BUN-MAE-CIRB20M	The guaranteed average bandwidth of the virtual circuit.			\$390.10	Each	Yes	Yes	Required
7	BASIC CIR MAE - 50 Mbps	ATS-BUN-MAE-CIRB50M	The guaranteed average bandwidth of the virtual circuit.			\$504.29	Each	Yes	Yes	Required
8	BASIC CIR MAE - 100 Mbps	ATS-BUN-MAE-CIRB100M	The guaranteed average bandwidth of the virtual circuit.			\$643.85	Each	Yes	Yes	Required
9	BASIC CIR MAE - 150 Mbps	ATS-BUN-MAE-CIRB150M	The guaranteed average bandwidth of the virtual circuit.			\$758.04	Each	Yes	Yes	Required
10	BASIC CIR MAE - 200 Mbps	ATS-BUN-MAE-CIRB200M	The guaranteed average bandwidth of the virtual circuit.			\$758.04	Each	Yes	Yes	Required
11	BASIC CIR MAE - 250 Mbps	ATS-BUN-MAE-CIRB250M	The guaranteed average bandwidth of the virtual circuit.			\$961.04	Each	Yes	Yes	Required

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
12	BASIC CIR MAE - 400 Mbps	ATS-BUN-MAE-CIRB400M	The guaranteed average bandwidth of the virtual circuit.			\$961.04	Each	Yes	Yes	Required
13	BASIC CIR MAE - 500 Mbps	ATS-BUN-MAE-CIRB500M	The guaranteed average bandwidth of the virtual circuit.			\$961.04	Each	Yes	Yes	Required
14	BASIC CIR MAE - 600 Mbps	ATS-BUN-MAE-CIRB600M	The guaranteed average bandwidth of the virtual circuit.			\$1,271.88	Each	Yes	Yes	Required
15	BASIC CIR MAE - 1 Gbps	ATS-BUN-MAE-CIRB1G	The guaranteed average bandwidth of the virtual circuit.			\$1,271.88	Each	Yes	Yes	Required
16	BASIC CIR MAE - 10 Gbps	ATS-BUN-MAE-CIRB10G	The guaranteed average bandwidth of the virtual circuit.			\$2,540.63	Each	Yes	Yes	Required

Table 23.2.1.6.c – CIR Priority Class of Service MAE

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
1	PRIORITY CIR MAE - 2 Mbps	ATS-BUN-MAE-CIRP2M	The guaranteed average bandwidth of the virtual circuit.			\$119.60	Each	Yes	Yes	Required
2	PRIORITY CIR MAE - 4 Mbps	ATS-BUN-MAE-CIRP4M	The guaranteed average bandwidth of the virtual circuit.			\$206.76	Each	Yes	Yes	Required
3	PRIORITY CIR MAE - 5 Mbps	ATS-BUN-MAE-CIRP5M	The guaranteed average bandwidth of the virtual circuit.			\$206.76	Each	Yes	Yes	Required
4	PRIORITY CIR MAE - 8 Mbps	ATS-BUN-MAE-CIRP8M	The guaranteed average bandwidth of the virtual circuit.			\$318.82	Each	Yes	Yes	Required
5	PRIORITY CIR MAE - 10 Mbps	ATS-BUN-MAE-CIRP10M	The guaranteed average bandwidth of the virtual circuit.			\$318.82	Each	Yes	Yes	Required

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
6	PRIORITY CIR MAE - 20 Mbps	ATS-BUN-MAE-CIRP20M	The guaranteed average bandwidth of the virtual circuit.			\$374.84	Each	Yes	Yes	Required
7	PRIORITY CIR MAE - 50 Mbps	ATS-BUN-MAE-CIRP50M	The guaranteed average bandwidth of the virtual circuit.			\$486.90	Each	Yes	Yes	Required
8	PRIORITY CIR MAE - 100 Mbps	ATS-BUN-MAE-CIRP100M	The guaranteed average bandwidth of the virtual circuit.			\$623.85	Each	Yes	Yes	Required
9	PRIORITY CIR MAE - 150 Mbps	ATS-BUN-MAE-CIRP150M	The guaranteed average bandwidth of the virtual circuit.			\$735.91	Each	Yes	Yes	Required
10	PRIORITY CIR MAE - 200 Mbps	ATS-BUN-MAE-CIRP200M	The guaranteed average bandwidth of the virtual circuit.			\$735.91	Each	Yes	Yes	Required
11	PRIORITY CIR MAE - 250 Mbps	ATS-BUN-MAE-CIRP250M	The guaranteed average bandwidth of the virtual circuit.			\$935.12	Each	Yes	Yes	Required

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
12	PRIORITY CIR MAE - 400 Mbps	ATS-BUN-MAE-CIRP400M	The guaranteed average bandwidth of the virtual circuit.			\$1,016.44	Each	Yes	Yes	Required
13	PRIORITY CIR MAE - 500 Mbps	ATS-BUN-MAE-CIRP500M	The guaranteed average bandwidth of the virtual circuit.			\$1,016.44	Each	Yes	Yes	Required
14	PRIORITY CIR MAE - 600 Mbps	ATS-BUN-MAE-CIRP600M	The guaranteed average bandwidth of the virtual circuit.			\$1,348.00	Each	Yes	Yes	Required
15	PRIORITY CIR - MAE 1 Gbps	ATS-BUN-MAE-CIRP1G	The guaranteed average bandwidth of the virtual circuit.			\$1,348.00	Each	Yes	Yes	Required
16	PRIORITY CIR - MAE 10 Gbps	ATS-BUN-MAE-CIRP10G	The guaranteed average bandwidth of the virtual circuit.			\$2,701.34	Each	Yes	Yes	Required

Table 23.2.1.6.d – CIR Premium Class of Service MAE

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
1	PREMIUM CIR MAE - 2 Mbps	ATS-BUN-MAE-CIRM2M	The guaranteed average bandwidth of the virtual circuit.		\$790.00	\$130.00	Each	Yes	Yes	Required
2	PREMIUM CIR MAE - 4 Mbps	ATS-BUN-MAE-CIRM4M	The guaranteed average bandwidth of the virtual circuit.		\$790.00	\$239.31	Each	Yes	Yes	Required
3	PREMIUM CIR MAE - 5 Mbps	ATS-BUN-MAE-CIRM5M	The guaranteed average bandwidth of the virtual circuit.		\$790.00	\$239.31	Each	Yes	Yes	Required
4	PREMIUM CIR MAE - 8 Mbps	ATS-BUN-MAE-CIRM8M	The guaranteed average bandwidth of the virtual circuit.		\$790.00	\$379.85	Each	Yes	Yes	Required
5	PREMIUM CIR MAE - 10 Mbps	ATS-BUN-MAE-CIRM10M	The guaranteed average bandwidth of the virtual circuit.		\$790.00	\$379.85	Each	Yes	Yes	Required

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
6	PREMIUM CIR MAE - 20 Mbps	ATS-BUN-MAE-CIRM20M	The guaranteed average bandwidth of the virtual circuit.		\$790.00	\$450.12	Each	Yes	Yes	Required
7	PREMIUM CIR MAE - 50 Mbps	ATS-BUN-MAE-CIRM50M	The guaranteed average bandwidth of the virtual circuit.		\$790.00	\$590.66	Each	Yes	Yes	Required
8	PREMIUM CIR MAE - 100 Mbps	ATS-BUN-MAE-CIRM100M	The guaranteed average bandwidth of the virtual circuit.		\$790.00	\$762.43	Each	Yes	Yes	Required
9	PREMIUM CIR MAE - 150 Mbps	ATS-BUN-MAE-CIRM150M	The guaranteed average bandwidth of the virtual circuit.		\$790.00	\$902.97	Each	Yes	Yes	Required
10	PREMIUM CIR MAE - 200Mbps	ATS-BUN-MAE-CIRM200M	The guaranteed average bandwidth of the virtual circuit.		\$790.00	\$902.97	Each	Yes	Yes	Required
11	PREMIUM CIR MAE - 250 Mbps	ATS-BUN-MAE-CIRM250M	The guaranteed average bandwidth of the virtual circuit.		\$790.00	\$1,152.81	Each	Yes	Yes	Required

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
12	PREMIUM CIR MAE - 400 Mbps	ATS-BUN-MAE-CIRM400M	The guaranteed average bandwidth of the virtual circuit.		\$790.00	\$1,152.81	Each	Yes	Yes	Required
13	PREMIUM CIR MAE - 500 Mbps	ATS-BUN-MAE-CIRM500M	The guaranteed average bandwidth of the virtual circuit.		\$790.00	\$1,152.81	Each	Yes	Yes	Required
14	PREMIUM CIR MAE - 600 Mbps	ATS-BUN-MAE-CIRM600M	The guaranteed average bandwidth of the virtual circuit.		\$790.00	\$1,535.39	Each	Yes	Yes	Required
15	PREMIUM CIR MAE - 1 Gbps	ATS-BUN-MAE-CIRM1G	The guaranteed average bandwidth of the virtual circuit.		\$790.00	\$1,535.39	Each	Yes	Yes	Required
16	PREMIUM CIR MAE - 10 Gbps	ATS-BUN-MAE-CIRM10G	The guaranteed average bandwidth of the virtual circuit.		\$790.00	\$3,096.93	Each	Yes	Yes	Required

23.2.1.6.4 Additional MAE Services and Features

Contractor's Description of Service:

NWN's Ethernet VPL service uses fiber and copper access to provide networking between locations in three configuration options

- point to point
- point to multipoint
- multipoint to multipoint

Geographic Availability:

Line Item	Service Location – City or ZIP Code	Line Item	Service Location – City or ZIP Code	Line Item	Service Location – City or ZIP Code	Line Item	Service Location – City or ZIP Code	Line Item	Service Location – City or ZIP Code
1	Los Angeles	141	Chula Vista	281	Fountain Valley	421	Millbrae	561	Winton
2	West Hollywood	142	Imperial Beach	282	Tustin	422	Mountain View	562	Santa Rosa
3	Playa Vista	143	Jamul	283	Anaheim	423	Pacifica	563	Cazadero
4	Bell Gardens	144	La Mesa	284	Brea	424	Redwood City	564	Clearlake
5	Beverly Hills	145	Lemon Grove	285	Fullerton	425	San Bruno	565	Cloverdale
6	Compton	146	National City	286	Garden Grove	426	San Carlos	566	Forestville
7	Culver City	147	Spring Valley	287	Norco	427	South San Francisco	567	Fort Bragg
8	Downey	148	Tecate	288	Orange	428	Sunnyvale	568	Geyserville

9	El Segundo	149	Bonsall	289	Placentia	429	San Francisco	569	Glen Ellen
10	Gardena	150	Cardiff By The Sea	290	Corona	430	Palo Alto	570	Gualala
11	Hawthorne	151	Carlsbad	291	Yorba Linda	431	Stanford	571	Guerneville
12	Hermosa Beach	152	Del Mar	292	Ventura	432	San Mateo	572	Healdsburg
13	Huntington Park	153	El Cajon	293	Camarillo	433	Alameda	573	Kelseyville
14	Lawndale	154	Encinitas	294	Carpinteria	434	American Canyon	574	Kenwood
15	Lynwood	155	Escondido	295	Fillmore	435	Danville	575	Lakeport
16	Malibu	156	Fallbrook	296	Moorpark	436	Alamo	576	Lower Lake
17	Manhattan Beach	157	Julian	297	Oak View	437	Angwin	577	Middletown
18	Maywood	158	La Jolla	298	Ojai	438	Antioch	578	Monte Rio
19	Pacific Palisades	159	Lakeside	299	Oxnard	439	Benicia	579	Occidental
20	Palos Verdes Peninsula	160	Oceanside	300	Piru	440	Brentwood	580	Philo
21	Rancho Palos Verdes	161	Camp Pendleton	301	Port Hueneme	441	Byron	581	Hidden Valley Lake
22	Redondo Beach	162	Pala	302	Santa Paula	442	Calistoga	582	Redwood Valley

23	South Gate	163	Pauma Valley	303	Simi Valley	443	Concord	583	Sebastopol
24	Topanga	164	Poway	304	Brandeis	444	Pleasant Hill	584	Sonoma
25	Venice	165	Ramona	305	Somis	445	Crockett	585	Ukiah
26	Marina Del Rey	166	Rancho Santa Fe	306	Santa Barbara	446	El Cerrito	586	Upper Lake
27	Playa Del Rey	167	San Marcos	307	Goleta	447	Fairfield	587	Willits
28	Inglewood	168	Santa Ysabel	308	Armona	448	Fremont	588	Windsor
29	Santa Monica	169	Santee	309	Arvin	449	Hayward	589	Eureka
30	Torrance	170	Solana Beach	310	Avenal	450	Castro Valley	590	Mckinleyville
31	Whittier	171	Vista	311	Coalinga	451	Hercules	591	Arcata
32	Buena Park	172	Valley Center	312	Corcoran	452	Lafayette	592	Crescent City
33	La Palma	173	San Diego	313	Delano	453	Livermore	593	Fortuna
34	Cypress	174	Coronado	314	Ducor	454	Martinez	594	Garberville
35	La Habra	175	San Ysidro	315	Earlimart	455	Moraga	595	Loleta
36	La Mirada	176	Indio	316	Exeter	456	Napa	596	Redway
37	Montebello	177	Indian Wells	317	Pine Mountain Club	457	Newark	597	Scotia

38	Norwalk	178	Palm Desert	318	Farmersville	458	Oakley	598	Smith River
39	Pico Rivera	179	Banning	319	Frazier Park	459	Orinda	599	Trinidad
40	Santa Fe Springs	180	Beaumont	320	Hanford	460	Pinole	600	Auburn
41	Stanton	181	Blythe	321	Kettleman City	461	Pittsburg	601	West Sacramento
42	Artesia	182	Brawley	322	Lake Isabella	462	Pleasanton	602	Brooks
43	Cerritos	183	Cabazon	323	Lamont	463	Dublin	603	Carmichael
44	Avalon	184	Calexico	324	Lebec	464	Rio Vista	604	Citrus Heights
45	Bellflower	185	Calipatria	325	Lemoore	465	Rodeo	605	Clarksburg
46	Harbor City	186	Cathedral City	326	Lindsay	466	Rutherford	606	Coloma
47	Lakewood	187	Coachella	327	Mc Farland	467	Saint Helena	607	Davis
48	Hawaiian Gardens	188	Desert Hot Springs	328	Porterville	468	Deer Park	608	Diamond Springs
49	Lomita	189	El Centro	329	Richgrove	469	San Leandro	609	Dixon
50	Los Alamitos	190	Heber	330	Shafter	470	San Lorenzo	610	Elk Grove
51	Paramount	191	Holtville	331	Stratford	471	San Ramon	611	Fair Oaks
52	San Pedro	192	Imperial	332	Strathmore	472	Suisun City	612	Folsom

53	Seal Beach	193	Joshua Tree	333	Taft	473	Sunol	613	Galt
54	Sunset Beach	194	La Quinta	334	Three Rivers	474	Union City	614	Garden Valley
55	Wilmington	195	Mecca	335	Tulare	475	Vallejo	615	Georgetown
56	Carson	196	Niland	336	Visalia	476	Walnut Creek	616	Herald
57	Signal Hill	197	North Palm Springs	337	Wasco	477	Yountville	617	lone
58	Long Beach	198	Palm Springs	338	Woodlake	478	Oakland	618	Jackson
59	Altadena	199	Rancho Mirage	339	Bakersfield	479	Emeryville	619	Lincoln
60	Arcadia	200	Thermal	340	San Luis Obispo	480	Berkeley	620	Loomis
61	Duarte	201	Salton City	341	Los Osos	481	Albany	621	Mcclellan
62	La Canada Flintridge	202	Thousand Palms	342	Arroyo Grande	482	Richmond	622	Madison
63	Monrovia	203	Twentynine Palms	343	Atascadero	483	El Sobrante	623	Mather
64	Montrose	204	Whitewater	344	Buellton	484	San Pablo	624	Newcastle
65	Sierra Madre	205	Winterhaven	345	Cambria	485	San Rafael	625	North Highlands
66	South Pasadena	206	Yucca Valley	346	Cayucos	486	Greenbrae	626	Roseville

67	Sunland	207	Adelanto	347	Grover Beach	487	Belvedere Tiburon	627	Orangevale
68	Tujunga	208	Apple Valley	348	Guadalupe	488	Corte Madera	628	Placerville
69	Pasadena	209	Baker	349	Lompoc	489	Rohnert Park	629	Pleasant Grove
70	San Marino	210	Barstow	350	Los Alamos	490	Dillon Beach	630	Rancho Cordova
71	Glendale	211	Grand Terrace	351	Los Olivos	491	Cotati	631	Rescue
72	La Crescenta	212	Big Bear Lake	352	Morro Bay	492	Larkspur	632	Rio Linda
73	Agoura Hills	213	Bloomington	353	Nipomo	493	Marshall	633	Rocklin
74	Calabasas	214	Blue Jay	354	Paso Robles	494	Mill Valley	634	Shingle Springs
75	Canoga Park	215	Calimesa	355	Pismo Beach	495	Novato	635	Sloughouse
76	Winnetka	216	Cedar Glen	356	San Ardo	496	Nicasio	636	Vacaville
77	West Hills	217	Cedarpines Park	357	Santa Margarita	497	Petaluma	637	Wheatland
78	Chatsworth	218	Colton	358	Santa Maria	498	Point Reyes Station	638	Winters
79	Encino	219	Crestline	359	Santa Ynez	499	Ross	639	Woodland

80	Newbury Park	220	Daggett	360	Shandon	500	San Anselmo	640	Camino
81	Newhall	221	Essex	361	Solvang	501	Sausalito	641	Colfax
82	Northridge	222	Fontana	362	Templeton	502	Woodacre	642	Pollock Pines
83	Porter Ranch	223	Hesperia	363	Mojave	503	Alviso	643	Granite Bay
84	Pacoima	224	Highland	364	California City	504	Aptos	644	El Dorado Hills
85	Reseda	225	Lake Arrowhead	365	Acton	505	Boulder Creek	645	Sacramento
86	San Fernando	226	Loma Linda	366	Bishop	506	Campbell	646	Antelope
87	Sylmar	227	Lucerne Valley	367	Boron	507	Capitola	647	Marysville
88	North Hills	228	Lytle Creek	368	Bridgeport	508	Castroville	648	Beale Afb
89	Granada Hills	229	Mentone	369	Edwards	509	Cupertino	649	Alleghany
90	Mission Hills	230	Needles	370	Independence	510	Felton	650	Arbuckle
91	Santa Clarita	231	Nipton	371	Keene	511	Freedom	651	Chico
92	Canyon Country	232	Oro Grande	372	Lancaster	512	Gilroy	652	Colusa
93	Sun Valley	233	Phelan	373	Littlerock	513	Hollister	653	Dunnigan
94	Valencia	234	Redlands	374	Llano	514	Los Gatos	654	Durham
95	Tarzana	235	Rialto	375	Lone Pine	515	Milpitas	655	Grass Valley

96	Thousand Oaks	236	Skyforest	376	Mammoth Lakes	516	Morgan Hill	656	Penn Valley
97	Westlake Village	237	Victorville	377	Palmdale	517	San Juan Bautista	657	Gridley
98	Woodland Hills	238	Yermo	378	Ridgecrest	518	San Martin	658	Live Oak
99	Stevenson Ranch	239	Yucaipa	379	Rosamond	519	Santa Clara	659	Magalia
100	Castaic	240	San Bernardino	380	Tehachapi	520	Santa Cruz	660	Nevada City
101	Van Nuys	241	Riverside	381	Chowchilla	521	Scotts Valley	661	Olivehurst
102	Panorama City	242	March Air Reserve Base	382	Clovis	522	Saratoga	662	Orland
103	Sherman Oaks	243	Lake Elsinore	383	Cutler	523	Soquel	663	Oroville
104	Burbank	244	Aguanga	384	Dinuba	524	Watsonville	664	Paradise
105	North Hollywood	245	Anza	385	Dos Palos	525	San Jose	665	Princeton
106	Studio City	246	Hemet	386	Firebaugh	526	Stockton	666	Quincy
107	Valley Village	247	Moreno Valley	387	Five Points	527	Acampo	667	Sutter
108	Universal City	248	Murrieta	388	Fowler	528	Angels Camp	668	Williams

109	Rancho Cucamonga	249	Nuevo	389	Friant	529	French Camp	669	Willows
110	Azusa	250	Perris	390	Kerman	530	Linden	670	Yuba City
111	Baldwin Park	251	San Jacinto	391	Kingsburg	531	Lodi	671	Redding
112	Chino	252	Menifee	392	Los Banos	532	San Andreas	672	Anderson
113	Chino Hills	253	Sun City	393	Madera	533	Atwater	673	Burney
114	Claremont	254	Temecula	394	Orange Cove	534	Tracy	674	Canby
115	Covina	255	Wildomar	395	Parlier	535	Ceres	675	Corning
116	El Monte	256	Irvine	396	Fresno	536	Crows Landing	676	Fall River Mills
117	South El Monte	257	Foothill Ranch	397	Reedley	537	Delhi	677	Fort Jones
118	Glendora	258	Capistrano Beach	398	Riverdale	538	Escalon	678	Mcarthur
119	La Puente	259	Corona Del Mar	399	Sanger	539	Groveland	679	Mount Shasta
120	Hacienda Heights	260	Costa Mesa	400	Selma	540	Gustine	680	Red Bluff
121	Rowland Heights	261	Dana Point	401	Salinas	541	Hilmar	681	Weaverville
122	La Verne	262	Lake Forest	402	Big Sur	542	Hughson	682	Weed
123	Mira Loma	263	Laguna Woods	403	Carmel	543	Jamestown	683	Yreka

124	Monterey Park	264	Huntington Beach	404	Gonzales	544	Lathrop	684	Alturas
125	Ontario	265	Laguna Beach	405	Greenfield	545	Le Grand	685	Cedarville
126	Montclair	266	Laguna Hills	406	King City	546	Livingston	686	Markleeville
127	Diamond Bar	267	Midway City	407	Marina	547	Manteca	687	Susanville
128	Pomona	268	Aliso Viejo	408	Monterey	548	Mariposa	688	Tahoma
129	Rosemead	269	Newport Coast	409	Pacific Grove	549	Merced	689	Kings Beach
130	San Dimas	270	Newport Beach	410	Pebble Beach	550	Modesto	690	Tahoe City
131	San Gabriel	271	San Clemente	411	Seaside	551	Newman	691	South Lake Tahoe
132	Temple City	272	San Juan Capistrano	412	Soledad	552	Oakdale	692	Truckee
133	Upland	273	Silverado	413	Belmont	553	Patterson		
134	Walnut	274	Laguna Niguel	414	Brisbane	554	Ripon		
135	West Covina	275	Trabuco Canyon	415	Burlingame	555	Riverbank		
136	Alhambra	276	Westminster	416	Daly City	556	Salida		

137	Alpine	277	Rancho Santa Margarita	417	Los Altos	557	Sonora
138	Bonita	278	Mission Viejo	418	Menlo Park	558	Tuolumne
139	Boulevard	279	Ladera Ranch	419	Atherton	559	Turlock
140	Campo	280	Santa Ana	420	Portola Valley	560	Waterford

State Associated Administrative Fee Charge - Services identified below with "Yes" in the SAAF Applied column will have a 2.5% fee applied to the Monthly Recurring Charge or usage. Charges below do not include the SAAF. The SAAF will appear as a separate line on the customer's invoice.

Table 23.2.1.6.4 – Additional MAE Services and Features

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
Add-On Service to activate port/access gateway for Internet Access within Core Metro Ethernet infrastructure. Not available as a standalone dedicated internet access service.										
1	Bundled Internet Access - 5Mbps NRC	ATS-MSN-INT-MPLS5M		Not Applicable for Port Only SKU's	\$1,933.75		Circuit	Yes	Yes	Required
2	Bundled Internet Access - 5Mbps MRC	ATS-MSR-INT-MPLS5M		Not Applicable for Port Only SKU's		\$ 225.00	Circuit	Yes	Yes	Required
3	Bundled Internet Access - 10Mbps NRC	ATS-MSN-INT-MPLS10M		Not Applicable for Port Only SKU's	\$2,783.75		Circuit	Yes	Yes	Required
4	Bundled Internet Access - 10Mbps MRC	ATS-MSR-INT-MPLS10M		Not Applicable for Port Only SKU's		\$ 237.50	Circuit	Yes	Yes	Required

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
5	Bundled Internet Access - 20Mbps NRC	ATS-MSN-INT-MPLS20M		Not Applicable for Port Only SKU's	\$3,633.75		Circuit	Yes	Yes	Required
6	Bundled Internet Access - 20Mbps MRC	ATS-MSR-INT-MPLS20M		Not Applicable for Port Only SKU's		\$ 300.00	Circuit	Yes	Yes	Required
7	Bundled Internet Access - 50Mbps NRC	ATS-MSN-INT-MPLS50M		Not Applicable for Port Only SKU's	\$4,483.75		Circuit	Yes	Yes	Required
8	Bundled Internet Access - 50Mbps MRC	ATS-MSR-INT-MPLS50M		Not Applicable for Port Only SKU's		\$ 375.00	Circuit	Yes	Yes	Required
9	Bundled Internet Access - 100Mbps NRC	ATS-MSN-INT-MPLS100M		Not Applicable for Port Only SKU's	\$5,333.75		Circuit	Yes	Yes	Required
10	Bundled Internet Access - 100Mbps MRC	ATS-MSR-INT-MPLS100M		Not Applicable for Port Only SKU's		\$ 585.00	Circuit	Yes	Yes	Required
11	Bundled Internet Access - 200Mbps NRC	ATS-MSN-INT-MPLS200M		Not Applicable for Port Only SKU's	\$6,183.75		Circuit	Yes	Yes	Required
12	Bundled Internet Access - 200Mbps MRC	ATS-MSR-INT-MPLS200M		Not Applicable for Port Only SKU's		\$ 674.00	Circuit	Yes	Yes	Required
13	Bundled Internet Access - 500Mbps NRC	ATS-MSN-INT-MPLS500M		Not Applicable for Port Only SKU's	\$7,033.75		Circuit	Yes	Yes	Required
14	Bundled Internet Access - 500Mbps MRC	ATS-MSR-INT-MPLS500M		Not Applicable for Port Only SKU's		\$ 788.50	Circuit	Yes	Yes	Required

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
15	Bundled Internet Access - 1Gbps NRC	ATS-MSN-INT-MPLS1G		Not Applicable for Port Only SKU's	\$11,390.00		Circuit	Yes	Yes	Required
16	Bundled Internet Access - 1Gbps MRC	ATS-MSR-INT-MPLS1G		Not Applicable for Port Only SKU's		\$ 1,035.00	Circuit	Yes	Yes	Required
17	Bundled Internet Access - 2Gbps NRC	ATS-MSN-INT-MPLS2G		Not Applicable for Port Only SKU's	\$19,040.00		Circuit	Yes	Yes	Required
18	Bundled Internet Access - 2Gbps MRC	ATS-MSR-INT-MPLS2G		Not Applicable for Port Only SKU's		\$ 1,221.50	Circuit	Yes	Yes	Required
19	Bundled Internet Access - 5Gbps NRC	ATS-MSN-INT-MPLS5G		Not Applicable for Port Only SKU's	\$26,690.00		Circuit	Yes	Yes	Required
20	Bundled Internet Access - 5Gbps MRC	ATS-MSR-INT-MPLS5G		Not Applicable for Port Only SKU's		\$ 1,894.00	Circuit	Yes	Yes	Required
21	Bundled Internet Access - 10Gbps NRC	ATS-MSN-INT-MPLS10G		Not Applicable for Port Only SKU's	\$34,340.00		Circuit	Yes	Yes	Required
22	Bundled Internet Access - 10Gbps MRC	ATS-MSR-INT-MPLS10G		Not Applicable for Port Only SKU's		\$ 2,834.00	Circuit	Yes	Yes	Required
23	NWN Provided Provisioning Services	ATS-PRO-CIR-DIA		Not Applicable for Port Only SKU's	\$1,198.32	N/A	Per Device	Yes	Yes	Required
24	Port Change Request for Circuit	ATS-MSN-CIR-PCR			\$637.50	N/A	Per Request	Yes	Yes	Required

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
25	Port Expedite Request	ATS-MSN-CIR-PEXP			\$1,275.00	N/A	Per Request	Yes	Yes	Required
26	One Static IP address	ATS-AAS-IPA-1S			N/A	\$52.50	Device	Yes	Yes	Required
27	Five Static IP addresses	ATS-AAS-IPA-5S			N/A	\$85.75	Device	Yes	Yes	Required
28	Twenty-nine Static IP addresses	ATS-AAS-IPA-29S			N/A	\$196.00	Device	Yes	Yes	Required
29	Mobile Connection 10M	ATS-AAS-MC-10M			N/A	\$665.00	Device	Yes	Yes	Required
30	Mobile Connection 20M	ATS-AAS-MC-20M			N/A	\$840.00	Device	Yes	Yes	Required
31	Mobile Connection 50M	ATS-AAS-MC-50M			N/A	\$1,050.00	Device	Yes	Yes	Required
32	Mobile Connection 100M	ATS-AAS-MC-100M			N/A	\$1,662.50	Device	Yes	Yes	Required
33	Mobile Connection 250M	ATS-AAS-MC-250M			N/A	\$1,750.00	Device	Yes	Yes	Required
34	Mobile Connection 500M	ATS-AAS-MC-500M			N/A	\$2,187.50	Device	Yes	Yes	Required
35	Setup for Mobile Connection	ATS-PRO-MC			\$7,700.00	N/A	Device	Yes	Yes	Required

23.4.2.1 Extended Demarcation Wiring Services

Contractor's Description of Service:

Extended Demarcation service extends the demarcation point to the Customer defined termination location or Contractor's equipment.

Geographic Availability:

Entire State of CA

State Associated Administrative Fee Charge - Services identified below with "Yes" in the SAAF Applied column will have a 2.5% fee applied to the Monthly Recurring Charge or usage. Charges below do not include the SAAF. The SAAF will appear as a separate line on the customer's invoice.

Table 23.4.2.1 – Extended Demarcation Wiring Services

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
1	Extended Demarcation - Copper – Regular Hours	ATS-3PN-DMCCOP	Wiring services to extend Facilities from the Customer's MPOE to the Customer's point of utilization from a copper trunk or trunking equipment. Includes 300 feet of four-pair cable and an RJ48 or equivalent jack.		\$400.00	N/A	Installation	No	No	Required

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
2	Extended Demarcation - Copper - Overtime Hours	ATS-3PN-DMCCOP-AH	Wiring services to extend Facilities from the Customer's MPOE to the Customer's point of utilization from a copper trunk or trunking equipment. Includes 300 feet of four-pair cable and an RJ48 or equivalent jack.		\$550.00	N/A	Installation	No	No	Required

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
3	Extended Demarcation - Copper – Sunday and Holiday Hours	ATS-3PN-DMCCOP-AHW	Wiring services to extend Facilities from the Customer's MPOE to the Customer's point of utilization from a copper trunk or trunking equipment. Includes 300 feet of four-pair cable and an RJ48 or equivalent jack.		\$550.00	N/A	Installation	No	No	Required

4	Extended Demarcation - Copper 25 Pair – Regular Hours	ATS-3PN-DMCCOP25	Wiring services to extend Facilities from the Customer's MPOE to the Customer's point of utilization from a copper trunk or trunking equipment. Includes 300 feet or less of Category 5 25-pair CMP cable, one patch panel and mounting hardware. Ten Category 5e, three meter jumpers; one 24-port patch panel to be provided in the MPOE and Intermediate Distribution Frame (IDF) for all circuits being extended. Includes associated troubleshooting,		\$400.00	N/A	Installation	No	No	Required
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#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
			testing, and labeling.							

5	Extended Demarcation - Copper 25 Pair – Overtime Hours	ATS-3PN-DMCCOP25-AH	Wiring services to extend Facilities from the Customer's MPOE to the Customer's point of utilization from a copper trunk or trunking equipment. Includes 300 feet or less of Category 5 25-pair CMP cable, one patch panel and mounting hardware. Ten Category 5e, three meter jumpers; one 24-port patch panel to be provided in the MPOE and Intermediate Distribution Frame (IDF) for all circuits being extended. Includes associated troubleshooting,		\$550.00	N/A	Installation	No	No	Required
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#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
			testing, and labeling.							

6	Extended Demarcation - Copper 25 Pair – Sunday and Holiday Hours	ATS-3PN-DMCCOP25-AHW	Wiring services to extend Facilities from the Customer's MPOE to the Customer's point of utilization from a copper trunk or trunking equipment. Includes 300 feet or less of Category 5 25-pair CMP cable, one patch panel and mounting hardware. Ten Category 5e, three meter jumpers; one 24-port patch panel to be provided in the MPOE and Intermediate Distribution Frame (IDF) for all circuits being extended. Includes associated troubleshooting,		\$550.00	N/A	Installation	No	No	Required
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#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
			testing, and labeling.							

7	Extended Demarcation - Optical Fiber Link – Regular Hours	ATS-3PN-DMCFIB	Wiring services to extend Facilities from the Customer's MPOE to the Customer's point of utilization from a fiber trunk or trunking equipment, Strand count required to provision one/each service only. Includes up to 1,000 feet of 62.5/125 – or 50/125 – micron, two-strand CMP fiber drop cable with adapters, enclosures, connectors, and two SC-SC duplex patch cords for each single circuit extension. Includes associated troubleshooting,		\$1,615.00	N/A	Installation	No	No	Required
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#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
			testing and labeling.							

8	Extended Demarcation - Optical Fiber Link – Overtime Hours	ATS-3PN-DMCFIB-AH	Wiring services to extend Facilities from the Customer's MPOE to the Customer's point of utilization from a fiber trunk or trunking equipment, Strand count required to provision one/each service only. Includes up to 1,000 feet of 62.5/125 – or 50/125 – micron, two-strand CMP fiber drop cable with adapters, enclosures, connectors, and two SC-SC duplex patch cords for each single circuit extension. Includes associated troubleshooting,		\$1,615.00	N/A	Installation	No	No	Required
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#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
			testing and labeling.							

9	Extended Demarcation - Optical Fiber Link – Sunday and Holiday Hours	ATS-3PN-DMCFIB-AHW	Wiring services to extend Facilities from the Customer's MPOE to the Customer's point of utilization from a fiber trunk or trunking equipment, Strand count required to provision one/each service only. Includes up to 1,000 feet of 62.5/125 – or 50/125 – micron, two-strand CMP fiber drop cable with adapters, enclosures, connectors, and two SC-SC duplex patch cords for each single circuit extension. Includes associated troubleshooting,	\$1,615.00	N/A	Installation	No	No	Required
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#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
			testing and labeling.							

23.4.3 Services Related Hourly Support

Contractor’s Description of Service:

Hourly support work for services related to this Category.

Geographic Availability:

Entire State of CA

State Associated Administrative Fee Charge - Services identified below with “Yes” in the SAAF Applied column will have a 2.5% fee applied to the Monthly Recurring Charge or usage. Charges below do not include the SAAF. The SAAF will appear as a separate line on the customer’s invoice.

Table 23.4.3.3 – Services Related Hourly Support

#	Feature Name	Contractor’s Product ID	Feature Description	Contractor’s Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
1	Field Service Repair Technician Regular Hours	ATS-PRO-ASE-S	Field technician properly trained to an expert level for the service being dispatched to diagnose and/or repair a CALNET DNCS service problem that turns out to be caused by factors outside the responsibility of the Contractor.		\$155.00	N/A	Hour	Yes	No	Required

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
2	Field Service Repair Technician Overtime Hours	ATS-PRO-ASE-AH	Field technician properly trained to an expert level for the service being dispatched to diagnose and/or repair a CALNET DNCS service problem that turns out to be caused by factors outside the responsibility of the Contractor.		\$175.00	N/A	Hour	Yes	No	Required

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
3	Field Service Repair Technician Sunday and Holiday Hours	ATS-PRO-ASE-AHW	Field technician properly trained to an expert level for the service being dispatched to diagnose and/or repair a CALNET DNCS service problem that turns out to be caused by factors outside the responsibility of the Contractor.		\$175.00	N/A	Hour	Yes	No	Required